

## 2673

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tgaacacgtn ctgcctaagt caaagggcan aggtccggtg tgaccaacat caggcgcntg 480  
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2676

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2677

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## 2678

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gaatggtgtg ttttataacc cataaatggt gtgtgtctac ataccanaat attttaggca 180  
aagaaacata ttttagatatn ttttgacaga ggatcatnag natTTtatgtg tttgaatctt 240

## 2680

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 cccacctggg gtgacggctg tagggctggg tctatgttgc aagccctata tcctaccatg 180  
 cagtggaaag tgcttagctc tctccctcct gacctctggg canccagtca tcaanacaga 240  
 nagacnntgn cggnatgtgg gcancatgcc cangttcctt gctgactcan cacttatttc 300  
 tgtggtttta aaaaagaatt taatgttttt gggtgtatnt ttttgggggg gtgncggtgg 360  
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2684

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## 2687

ctagtccttg ncatttagaa gctggctttt tctaagactt ctagtatgta tggaattctt 180  
tgaaaattat attactttta tttctactga ttttattttg ggatactaag gatgtgncca 240  
aatgattcgg gatactaagn atgncatcgn tttnaaatc atctagtgat gnttgntatg 300  
acagattatc ctcaaagaaa catcagngat gatctggaac ctntaaaaac atctgttagg 360  
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actatttgaa atactacgta ctctcaaagt tttaataaca aaatggtaaa aattatattg 180  
aagggttcagt ctctcagat tcttaaagac tttgtgaatt atataggcag gatttaagga 240  
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## 2690

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 ttccctatga ctgggttttc tggtaagggtg aactaaggca tcctttttcca ttccaggctg 180  
 tggtaacagc agataacagc cgcagangtc atagccagca cttttctatg cgtcccttca 240  
 tttaatccca gtactcctan gtggtanatc tatnatnttg gtccacatga attattgaaa 300  
 antctgtcct aaattttaaa tggaaacaaan tatgggtttg caattttactg gtggtgggttc 360  
 ncaggaaata ctacgacaat ngganttt 388

<210> 3143  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>



2693

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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature

2694

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3143

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aggatattta gtatagcaat atcttttgat aaaataatca acaaacaaaa ttatgttggt 60
ggaaaccaga aaacgacacc actgatgaat gtacttaggc tacttaatca agaaatagtc 120
gcaatgattc tactttctgtc ttcttttttta aaaaaaattt aattagtttg ttttatttta 180
gaatagcatt actgattacc tttcttccct ggaaattaac acattcgtta naanacttaa 240
ggatgcatcc aatgaaatac tttagaattg aaaagaagga aatgaattac ttgaattctc 300
cagaantntt gtgtctattg gtgcncnac nccgtttaaa tgctatattg ccnctganaa 360
ctgatgcctt tttgtgaaac acactgtnac aggccccgtt tacctccttn ttttaattan 420
aaaaaaaaa ggggggcg 439
```

&lt;210&gt; 3144

&lt;211&gt; 79

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3144

```
cccacgcgtc cgggtacact tacctttttt tttttttttt aaattttccc ccatccagna 60
aaacaacntt ntaatntnt 79
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&lt;210&gt; 3145

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2695

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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2696

<220>  
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<222> (184)  
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<220>  
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<222> (213)  
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<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
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ccccatttta taaaaaagg gaaaaaagcn tgggggtntn acggggggccc cccccagggg 60  
ttaaccnnag atcccgggga aaatttcccc cgggggggttc cggaaccaca acggccggtt 120  
cccggcntaa ttcaatacta annnaaaaaa ccccaaacc caatnggaac ccccttaaac 180  
caangggggg ggccctctc caagccctc ccnaaaattg gaaccncccg ggnccgaac 240  
ccaatgt 247

<210> 3146  
<211> 485  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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<222> (334)  
<223> n equals a,t,g, or c

<220>  
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<222> (375)  
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2697

<220>  
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<222> (417)  
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<220>  
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<222> (418)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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gaaacctgtg tatttgattt gaacgatgaa tccaaatgga aacccatgag tgaggaagca 120  
attaaatctg tgtgtgctcc tggagctaca acatcccttc ctccctttcc acctctgtgt 180  
gcatccacaa ttgaacgcgt cagtaacaag taatgaaatt gaaaatgcag ctgaggctcc 240  
tgggtgtcagn aacacagggg agggatcttg ggcctcacta ctggtntggg aaagaaccag 300  
ctctcctacc cttttatcac ccagcttttg ggcntcttat gaatttgaag cgttcaacaa 360  
gttatatcag cgggnaatga aaaatttcca gaatgccata gggaagggtt gttcctnnat 420  
ggtcgcacat ttaaaagggt cccaatacn tttggtgtta tagaaatgnc agaaattgca 480  
ttngc 485

<210> 3147  
<211> 242  
<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

2698

<220>  
<221> misc feature  
<222> (54)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (70)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (92)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (217)  
<223> n equals a,t,g, or c

2699

<220>  
<221> misc feature  
<222> (223)  
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<220>  
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<222> (234)  
<223> n equals a,t,g, or c

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cccacgcgtc cggccacgcg tccgctccag aatgaaaana atttctacac cnanacttan 60  
acgacagtnn atgctnaant ggcaattcct cntttaagct atttttccca accttcaggt 120  
tggtcagccc tctgatacct cacaggtgga taagtgaggn ctaccagaca ggggagccta 180  
agaaacttgg attgaccttc taatctaccn ccttganttc agnacaccat tacnatcggg 240  
ga 242

<210> 3148  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (119)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (173)  
<223> n equals a,t,g, or c

<220>  
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<222> (185)  
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<220>  
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2700

<220>  
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<220>  
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<222> (216)  
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<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
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<222> (277)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (288)  
<223> n equals a,t,g, or c

<220>  
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<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<400> 3148  
accaagcacc tcaagctggg aatggttggt ggaggaggaa agtaatcaag agatgtttca 60  
tatgaaaata acaatatctg caatgagcct taaaggatga acaatattcc canaaacana 120  
ttttggggcc nagatatgaa gcatggaaca aaggaaataa tattctgaac atnatggaga 180  
aagcntcatt aaagtgcncg gaagtngcaa tattcntgaa ntgtttgggg aaacaaacat 240  
accattgaat gtttctagaa cctacaaggg accccgnaaa cctngaanaa tgaaaaagaa 300  
taaggaaatc caanttccat naaa 324

<210> 3149  
<211> 99



## 2701

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

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<222> (36)

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<220>

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<222> (54)

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<220>

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<222> (56)

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<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<400> 3149

gactgtgcgc cctntctcc gttcaaaaaa tgggnnccctg ggcccaaaaag caantntttg 60  
gtccggaatt cccgggtcga cccacgcgtg ngngcccat 99

<210> 3150

<211> 105

<212> DNA

<213> Homo sapiens

2702

<220>  
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<220>  
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<222> (29)  
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<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 3150  
aangaagtcc cccctaatta atatcggtnc ccngggaaaa ttttagggg aaggtttttc 60  
ggggtgtcan tttttaangg gcccatattt ttacgggtg taana 105

<210> 3151  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<220>

2703

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<220>  
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<220>  
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<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2704

<222> (252)  
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<220>  
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<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<400> 3151  
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gatcctagca tnttaaaatt cagttgttac attgggatcc cacatantat nttgtcatct 120  
atatnaggggt ggatgagggc tnaaatttca tcttgggtct nggaacagat tcatgggcac 180  
acattttata acgattgggtc ctcagttctg caaattaaga anctccaatc ttnttgattc 240  
cccaccggta gnaacannat gcattgagta atat 274

<210> 3152  
<211> 546  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
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<222> (305)  
<223> n equals a,t,g, or c

<220>  
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<222> (312)  
<223> n equals a,t,g, or c

<220>  
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<222> (357)  
<223> n equals a,t,g, or c

<220>

## 2705

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<220>  
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<222> (380)  
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<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
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<222> (412)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (430)  
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<220>  
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<222> (442)  
<223> n equals a,t,g, or c

<220>  
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<222> (463)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (467)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2706

&lt;222&gt; (493)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (505)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (507)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3152

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cacgtttcct tcatttttgt ctatacagtt cctcaagtag gatattttaag taggaaaccc 60
ttcttttttaa taaaatcatt tgcagaattc caaaatacag aacagatgaa agcaggtctg 120
ctctgtgacc tgtgatggag tcagtagggg cctcaaagcc cagcctcttc agtcttcctt 180
cactggcccc cagggagccc taggctaaac agaccatcat gtgaaaacca ctgttacagg 240
tgcgagaatg gtgttttaca gagcagccag aggagangca tagaaaagga aacagatnaa 300
atganaaaact anttaggaaa agaaagcttt catgaacact ttactatgtt gccacangct 360
ttaaaggaaa tcnccttan gttattctca caanaaaccc tatttttaaat cngttcatta 420
tncccattnn ttaggcttga anggaacaca atcctttgga cangttnant taactcttcc 480
caggtctcac aantaaatnt caaangntga atggaaccca ggnttggcca actcaagggg 540
tgttct 546

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&lt;210&gt; 3153

&lt;211&gt; 548

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (323)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (351)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2707

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<222> (415)  
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<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
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<222> (449)  
<223> n equals a,t,g, or c

<220>  
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<222> (500)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (533)  
<223> n equals a,t,g, or c

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gtgcttttct ctttggcaga gtttttcttt gctctgatct tggagacatc cctctgccta 60  
gtggaaacat aaggaatata gaaagaatgc aaggagatag accaacgtga gattctcctt 120  
catgcactca agagaacgat gttgcaggaa gagctagtct ttcaggctgg gctggtgacc 180  
tgagaaagaa tgtccagctt ttcttctcca cttggcatat caagagccag gcgtggaaaag 240  
actaaaacag gaaatgttta taaaaactgt tcacggttcg ccaacaagaa attggttaaa 300  
gttagcaaaa atgggggattg ganattccca ggaaggaaaag atgcccgggg ntttaattggg 360  
gaaaaattgg gaaccctgaa acccaggaaa gttcaagccc caagcccaac caggntttcc 420  
ctgttttttt ccaantgaaa gaaagtting gggccccaag gaatgggatt tggaaaaact 480  
tttcccccca agttcccccn gaaacttaat taaatttggg tgccttaaag gantcccaaa 540  
ccccgggg 548

<210> 3154  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (65)  
<223> n equals a,t,g, or c

<220>  
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<222> (150)  
<223> n equals a,t,g, or c

2708

<220>  
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<222> (166)  
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<220>  
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<222> (252)  
<223> n equals a,t,g, or c

<220>  
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<222> (263)  
<223> n equals a,t,g, or c

<220>  
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<222> (269)  
<223> n equals a,t,g, or c

<220>  
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<222> (286)  
<223> n equals a,t,g, or c

<220>  
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<222> (291)  
<223> n equals a,t,g, or c

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gtattatcaa taacaataaa aataaagcaa atacattaga cattaccctc ccatcaggtg 60  
cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120  
aggggaatatt ttcagagaat aggtggaatn aagtggaggct gtgganaatg ttatctataa 180  
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaataatg ttatcagtaa 240  
cagtaaaaat anagcaaata ccngaaaant aaataagggg gggccnttct naaaaatc 298

<210> 3155  
<211> 215  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c



## 2709

<220>  
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<220>  
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caaaggccag atggttttgc cgantccccc ctgctantgt ggggggancc cactttctgc 120  
ttgtgangcc ctgactggga accanttggc ctggaatctg ggaagggggc tcccttccca 180  
cccttgttct tcctccccc cccacangnaa tcctg 215

## 2710

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (150)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

## 2711

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aacccccggg ggggtttccc tnttgggggg gaaaaaattt ttccccccc ccgggggggg 120  
ggttttccgt ccaaanaccc ccaaaccngn ccgggttttc ctnc 164

<210> 3157  
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<213> Homo sapiens

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<220>  
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<220>

## 2712

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<220>  
<221> misc feature

## 2713

&lt;222&gt; (546)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3157

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gtgggaggcg gcggccccc accctccata ntccttcgc cctctgctan caccgaagtt 120
tagcccanga cggggggcgt ttaaggggccc ggccctccgc cgccgcgcac gtgancggca 180
ccaggaagct ggctggggcg agccttcctt gaagctcgct ggcaccggcc gcacgcntcc 240
atccccggcc tctgancgga aggggaaccg aagctagaag gaaggcgcat tctgccc aan 300
gtcncggcag cngcagtttc ttgggcncca agtngtgatt ggaattactc ccacgaagaa 360
agggcggttaa caagaactcc taagcgaaaa naaaaacttg aacanttggt aaaancttaa 420
ggttttgggg ctttccttga aatttncccc caaggggggg ttttttgaaa aaaattgggg 480
gaacccaaaag ggtttcctt taaaaaaagg gnaaccgggt ttaggcnttt ncccttgaaa 540
ggaaanggtt tatncc 556
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&lt;210&gt; 3158

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3158

## 2714

ggaactctcc gacaggcaat acctgctcca gagagccaaa tctggtnggc tgaactttta 60  
tcangcctgc attgcagtnt gatttctncc tcttcgcagt cctgcttctg tn 112

<210> 3159

<211> 245

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (133)

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<220>

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<222> (136)

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<220>

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<222> (199)

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<222> (229)

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<220>

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cgcagatgct ggagcagcga ctggcccgga aagatccgtg ccctggagag aagcaaggag 60  
cagctgctct cgganagagc tggacagaag tttgtattac aggctcgtac accggagggtt 120

## 2715

tctgatggag canacnactt gaggaaggcc ggccttgctg aacacagtgg actgaccggg 180  
tctggacccc tccccacng gtgactgtgc actgcagcag aganaagang aaaggaatct 240  
gaann 245

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<213> Homo sapiens

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## 2716

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gcntatnang gtttcaccgg tcattccgtc angttctgt 99

<210> 3161

<211> 305

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (267)

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## 2717

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<220>  
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<222> (286)  
<223> n equals a,t,g, or c

<220>  
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<222> (293)  
<223> n equals a,t,g, or c

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aagncgtccc atgagatcgg ggtggcaata ctacggcatt aatacagggt gagntgacaa 120  
agaaaaggca acagttggtt acggtggcca gggtagccgc cacgaagagg ggttgccgta 180  
aaggagggtt agcgnagttg ttagccgccg cggcctatca agccagttat gagaactacc 240  
tattacgcgt ggcgtattgc catgttntag accatgaagg agnanntgcc ctnagaagca 300  
gtgag 305

<210> 3162  
<211> 107  
<212> DNA  
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<220>  
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<220>  
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2718

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3162

agggggccca tgtgatagcg atacaangnc ccaggacatc tacgagttca agttnncaat 60  
tacacaagac ancagttggt ctacgctgcg ctacgccgtg tatcgct 107

&lt;210&gt; 3163

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (140)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3163

aaactgttta attaaaacaa agcatcgnga aggccacggc tgggtgttgac actatgtgat 60  
ttctgccag tgctctgaat gtcaaatgaa aaaattcaat gaaacgccgg tnaaccgcgn 120  
ganttnctat aatcctcttn aggtatccaa aat 153

2719

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<213> Homo sapiens

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## 2720

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<220>  
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 ttgctaattt ttttatttgt ccactacta tgtttatttg cccttacgtc acccagtggg 120  
 ccctgagttt catacacgta gctgtcactt tgcacgcatt ttattatctt gtgcgcattg 180  
 cccgcacgta ctagttttta ggggtgattat agttantatg ttgattagtg gctagcgatt 240  
 ggttggttgc gttttcctga tggcccacgt actgggtggt tgtgtttaat gtagtgtttg 300  
 tgggtgtgtg cctgggtgaca caacagttac aatggctcgc tactgggtgt gtgtactata 360  
 tgggccctgc ccagcctang cccctagaag ccacttgccc tcagtctgca aggtgntttg 420  
 tgctgggtgc caaatncaac aacgtgaatc atnacaagag gccttgctna ttatgagtgt 480  
 gagtgtttga ttggccnctg tnttcctgcc aagtcaata 519

<210> 3165  
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 <212> DNA  
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<220>  
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<220>  
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 <222> (27)  
 <223> n equals a,t,g, or c

## 2721

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<220>  
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gggactcctg ggggtggtct ctccctctgg tcccttctgg ggaacctntt ntccnaatt 120  
tcttcgctgc ngttttcccc atcggttccc tn 152

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<212> DNA  
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<220>

2722

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## 2723

ttttcttttg cttttatttt aactacagcg gtttngtact ctgctttgca cgtacgtccg 120  
tttttcgggt gctgtgttgt ttggggcgcg gttgctgtat ggtnactggt ggtagccat 180  
gggttacctt atacgtagtgt tgacttttta aagtagtgtg gtagttgtgc gcgcgctagc 240  
ggnggaattt aagcaaagac annacaaacg tagatgggcc cctncta 287

<210> 3167

<211> 603

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (3)

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<220>

<221> misc feature

<222> (12)

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<221> misc feature

<222> (36)

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<222> (192)

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<222> (296)

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<221> misc feature

<222> (412)

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<220>

2724

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<220>  
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 <222> (530)  
 <223> n equals a,t,g, or c

<220>  
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<220>  
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 <222> (567)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (594)  
 <223> n equals a,t,g, or c

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 ctactgtgtt gcttatactg ttgtattttt gcaaaagcgg tcttgctgtt aacggggcgtg 120  
 ttatgtttgt tggccgtaac actattgtat actgctgcac ttcggttctga gtgctacgcc 180  
 gctgcaaaatc antccacaga tgcatacagc acacttgtagc tactggccta cgtgtagcgt 240  
 tttggattgt atggcggtgtg acttctactg gttaaattac tcttagggta acccanagtc 300  
 atatactact taacggtagg ccactgcccc tgcttatacag gccccgcctg ccggtgcccc 360  
 tgccccaggc caatgcgcgg gcccaactgt agtaggcgg agcttaacca anttgggtgtg 420  
 caactaatac ngtggtgttg atcttaggtg ccctgggctt tgtgtccaac ttagccccctg 480  
 tggggcgtgc agccgactgg gtgtagttgt gggcctagcg caaacantcn tgttatgttt 540  
 agacggtgtt cctngtgccg gactttngcg cgttgggggtg agatgtttta cctnactgcc 600  
 cca 603

<210> 3168  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

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 <223> n equals a,t,g, or c



2725

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<222> (70)  
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<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

## 2726

&lt;400&gt; 3168

gcacacgcta caggncgtna acagttagcc ccacctagga cgggtacgnt ggcnccccgt 60  
ttgccaaan gtgttgcgga ttgcacgtgt ttaggtatgt gtctgatatc canagctcat 120  
gttatggccc gttngataag cagttaccac aatgcctctg accgccgctt cggatatancn 180  
gancgacggt tgcaanccgc atgtcccatc atgg 214

&lt;210&gt; 3169

&lt;211&gt; 108

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3169

gtnttctggtt ggatgggttna ggtgggacac ggganggatc ctggggaaat gggttanccac 60  
ttttctcagt cggtcttact tggcccacca cggtganttg aacggnac 108

&lt;210&gt; 3170

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

2727

<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2728

<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (542)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)

2729

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 3170

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gcccgctcttg tcnacngnta ccttaccang tttccccgtc atttatctcg ttctaaaggg 60
aggtagagcc gggagncgat attactgtag cagttacaag ctaggaggga tgggcgcttg 120
cccgtagaag gggcaaactg ctgctactat gtgaatgagc gatggaatgg gagacagcga 180
aaaaaaaggc accanaaac aacggacata gagtggctgg aaccgtttgc cgagaggggg 240
ccagggggaa gggccgcggc ccaatgcgag cagccaataa tgaagaagac tacgacgact 300
aaagcgnang tggttggcac tctatggagt tgggnncaac tgggtgataa aaaaactttc 360
tgggcaactg gnagataggg aggccgggag ggcagtttnc tagaagttgc gcactgtact 420
agnagggggt tgcggnagc gcgacacaaa ggcacatntg caacgtggaa tgctaaagac 480
agccgcaatg accagggcaa ttggcgtgag cgcggagatt gcaagngccn aagtaggagc 540
tnagatncat tgnagggcaa aagctggatg cgtggtg 577
```

<210> 3171

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2730

<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)

2731

<223> n equals a,t,g, or c

<400> 3171

```
nttgncaacn natgcettcc angtttacct gtcattttatc tcgtttcttta tctcgtttctt 60
tatctcgttc ttttcaactct tctgttcctg ctattctctg tctgttcacg ggtacctgtc 120
gctgaactga ctcttcgctg tcgtgttttg tacgtcttag tagcaggagt gattcccatt 180
gtagtactta tcancacagc ggtgttcann gtgatnacag ttcccacagt ctccatccccg 240
gcgcttgcca ccgccacccc aacagccgta cgaccatnca accgaatagg cagcatgtct 300
gtaggccgcc aaagcttggt ctgcaanctt ttcacctca nccgattcaa actatacgaa 360
gtatgccgcg tcagaggcgt agccaatagt attgctacca nataacgggt atnnnacaac 420
tgatcaca 428
```

<210> 3172

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (248)

<223> n equals a,t,g, or c

## 2732

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<400> 3172  
aaagcncctca ctatagntna aagctgggtac ncctgcaggt accgggtccgg aattccccggg 60  
tcgacccacg cgtnccgcaa attcatagag aataaaatta catgaaagag ttacaagctc 120  
actgttttaa agacttgaca tttttcattt agttttaatt tacagtactt atggagagcc 180  
agcagaagac atcagagcac tcacttcttc ccactcttgt taagggtanc agaattacc 240  
atggacantg ttaggtgagg ctcattcgnc ngcncgtgaaa acaaa 285

<210> 3173  
<211> 203  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)



2733

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<400> 3173

```
ggnagagngc ttccctcanc acgagcgatt cgcaaccag ttaaagctgg taccctgca 60
gggtaccggtc cggaattccc gggtcgaccc acgcgtccgc gnnctcgtgg gcggccactc 120
cgggtcccgc accnancctg ccggaaagaa cacccggaaa tgaaaggcca ccaagaagaa 180
angcactacc tnttangaca aga 203
```

<210> 3174

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

2734

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

2735

<220>  
 <221> misc feature  
 <222> (478)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (523)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (532)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (545)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (553)  
 <223> n equals a,t,g, or c

<400> 3174  
 cgtntntata gtanaagctg gtacnctgc aggtaccggt ccggaattcc cgggtcgacc 60  
 cacgcgttcg gtanaagatg aacaggagca ttatataagt gatgatttgg acattgaaac 120  
 taaaatggaa gaacaggaaa aaaaccctgc atcttctgaa cttgaagaac caagtttagt 180  
 ttgtgaggaa gatgaaatta tgaggtctaa agaaagtcca gatctttcta tttntcattc 240  
 tcaggttgag cagttagtca ataaaacatc tgaacttgat atgtctgaaa gcaaaacaag 300  
 aagtggaaaa gtctttcaga ataaaatggc aaatggaaat naaccagtaa aatcttccaa 360  
 agaaaatcgg aagagaannc aacatgaatc tnggagaata gtaagnctta tgataatgta 420  
 taggtngaat acaatgggaa ggatcacgaa tatcattact acagattaaa tttaaaanga 480  
 tgaatttgat atctttcgat gtacctgaga gtttttgata ttnaaat ttt gnttaaaaaa 540  
 tattnttggt ttn 553

<210> 3175  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (8)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (16)

2736

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 3175

gctgtatntt tcctcnggaa naatcncact cactatntttg gaaagctggt nccgcctgca 60  
ggtagcggtc cggaattccc gggtcgac 88

<210> 3176

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

## 2737

<400> 3176  
tgagtggaca tgcnatggaa atggattgng acactgggtga atgaacagat gatantctac 60  
gtactnaaga tgcatacacc aanatgatga aagggtactgt ac 102

<210> 3177  
<211> 196  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2738

&lt;222&gt; (184)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (191)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3177

```
ggatgatgtt tactaacgan gaattttaca tccaaanngg gataggcact tggacccccca 60
ttctccaang gcccgggggg gcggnntccc atgggatgtg aaaggctggc cattattaag 120
tccctgtaac tnaaatgtca accccaccga ggcacctcc cgtnccccag aatcttgnt 180
gttnacaaat nacgtg 196
```

&lt;210&gt; 3178

&lt;211&gt; 100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3178

```
actatTTTTT nnagatggta cccctgcag gtaccgggtcc ggaattcccg ggtcgaccca 60
ttngtccggt ttnaccagat nctgaccgc gacggcaagg 100
```

&lt;210&gt; 3179

&lt;211&gt; 506

&lt;212&gt; DNA

2739

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (393)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (430)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (459)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (500)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3179

```

gctcttttaga tctacttgct tttctgcttt taaagattcc atgggagcag tgaggcttac 60
tttgagaata aggggtacttt gttggataaa agtgaagcaa acttttattt tggcagtaac 120
ggaaataaag taaatatcac tatagcatag acctgtgttt ccaactcatt ttgctcaact 180
tttccagact tcctgagtaa acacagatgg gtttccactt atttttcagt tttatgtaga 240
aagttcttta gactataaat tccacatgct acttggagtt ttcagtgttt gcttgattgc 300
atgccattgg aagggtcaaaa acctagattt agacattata aagattttaga aggtgatgat 360
gtgtagtaac gtgttttcat ttggctttat ttnggccttc ttgatggtaa ttctaaatgt 420
tttaattcan gtcttgacta aatttcctgg naattnggng gcagacagaa ttttgaaagc 480
cttctatttt taaatagcan aatggt                                     506

```

&lt;210&gt; 3180

&lt;211&gt; 146

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

2740

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (141)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<400> 3180

ggcggccent ttgggtcccg ccggggcgcc gggggtgcgg gagccggccc aggagggggc 60  
ggcagcgggcg gagtagccaa gtggctccgg gagcacctgg gcttccgcgg gggggncgga 120  
ngcngagggg gcagaaagcc ngcgnc 146

<210> 3181

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c



2741

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

2742

<220>  
 <221> misc feature  
 <222> (288)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (312)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (324)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (327)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (388)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (392)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (414)  
 <223> n equals a,t,g, or c

<400> 3181  
 gcctatgcgt ccggtaccat ggaaaactaa atttaannna ccagttataa cagtgtttta 60  
 tttagataag tttgagggaa aataatcant aggcaagagg aacatttttc ctgtantagc 120  
 tagagtgcct tgaaaaaatg tgtnggctat gtgaagggaat atttneaacta aaatggaatg 180  
 gtatgctnta tacccttaaa gttngaggag gatcttgata tgttttaaca ttatnatggc 240  
 anggaaatat ataaagaana aaaatattnt tctatttaca atttttanaa aagggtttaat 300  
 gtaaaaataa tntggatttg tatnaanaac aacacttatt gctatgtatt gtggttagaca 360  
 tattgtcagt ctgttgctac tgacttanat anttaaattg tggcactgct gaanat 416

<210> 3182  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

2743

<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<400> 3182  
gagatagact ttctnttgt aaagtaaata aattnttcaa aganaagcat tgcanatgga 60  
cct 63

<210> 3183  
<211> 520  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
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<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

2744

<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<400> 3183  
gccacgcgt tcgggaattc atgtggaggc caccocagct gcaagtgcct tccttggagc 60  
agagaggcag cctcgtcctc ctgtccctc tcctccagc caccatcggt catctgctcc 120  
gggcagaact gtgtggcccc tgctgtgcc agccatgggc tcgggatgga ctccctgggc 180  
cccaccatt gccaaagccag gaaggcagct ttcgcttggt cctgctcggg acagccccgg 240  
gtttccagc atcctgatgt gtccctctn cccacttcag aggccacca ctcagacca 300  
ccggcctggc ttgctgcaga ctataaacta taaccactag ctgcacaaa gtctgcantc 360  
caggcgtggt ggaagccgc tttccgggtt cggggaaggn ccccgggggc ttggggaaac 420  
gccttgngc cctttccttg ngccaaaac ccaaaggccc cctttttggc cctttccctt 480  
gggcccttgn ttgnccgaac caaggaaact tggncctaaa 520

<210> 3184  
<211> 62  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

2745

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3184

gtcgaccac gcgtccgtan aagagtaggt cntccagtgc tgctnntgca gacacctang 60  
at 62

&lt;210&gt; 3185

&lt;211&gt; 508

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2746

<221> misc feature  
 <222> (253)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (415)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (434)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (435)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (499)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (508)  
 <223> n equals a,t,g, or c

<400> 3185  
 catntggcng tgaccttatac tggangnacg ctggtacgcc tgcaggtacc ggtccggaat 60  
 tcccgggtcg acccaacgcgt ccgctaagac ttacctgata tttcttagga tgtggacatc 120  
 atgtttgggg caatgtntcc ctcaccgcct ctctcatnct ttataccata aaagagtgat 180  
 ggcaatatgc tagctgaaat tcacccttcg atggtttcat tttcttgtct acaaaggcag 240  
 ggtgagcgac tgntgccctg tgatttcttg cactcccagt ggaaaggaag cagaggggcc 300  
 aagttatggc agagtgcacc cagttaggcc ttcgactaca aaagtatcat ggtttccctt 360  
 cctccccagt taccattctt tccctgggtc ccatccccctt cacatccagc agtgngggct 420  
 aaccttcctt tgcnnatcct gggaaaacac atctttgctc cagtgcaaag ttagactgga 480  
 caaacaagcc ggtgtggang aagctttn 508

<210> 3186  
 <211> 91  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (54)  
 <223> n equals a,t,g, or c

<220>

2747

<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3186  
acttttggga aagctggccc gcctgcaggt accggtccgg aattcccggg tcgncccacg 60  
cgtcctnttcg cctcaaaggc gnacaggtgn n 91

<210> 3187  
<211> 193  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)

2748

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<400> 3187

ggnctgnctg aggaggtgtg gacttttatn tatagatcta catanaaaact gntacatgac 60  
anaaaccaca cctaaagaaa ttttaagaat ttggcacagt tactcactnt gtgtaatctg 120  
aaatctagct gctgaatacn ctgaagttaa tccttganca ctgaagtctt tcaattganc 180  
tggatgaata ctn 193

<210> 3188

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)



2749

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 3188

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gtcgacccac gcgtccgcgg acgnntggga aaatatcata agatatacct attttaaaac 60
agaatggaca ccctatatTT cagggctggt gacaggcaca taagccctca cagtcagcta 120
gccattgatt ttccagagttt cttcattttac ttcaattatt gataaatatt caggattgct 180
agtaaataatg ttcttttactc atgtgattcc ttaccatct ttttttagag gcattcagaa 240
gtccagtatt tcgacatgga acagataaga atggattcag cttgggtttc agtaaaaaca 300
tgcgacaagt ttttggtgat gagaagaagt actggttgct acccattttt tcaagtctag 360
gtgatggctg ctccctttcca acttgcccttg ttaaccagga tcctgaacaa gcatttactc 420
cttgcagggc tgaattccac agcttaaaat ctcgaaaacc atnaagtttn ctgc      474
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<210> 3189

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

2751

<222> (175)  
<223> n equals a,t,g, or c

<220>  
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<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
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<220>  
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<222> (280)  
<223> n equals a,t,g, or c

<220>  
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<222> (308)  
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<220>  
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<222> (357)  
<223> n equals a,t,g, or c

<220>  
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<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<400> 3190  
gaacaaaana tggagagcta atttctgttc ctcttttgan nntgggttat gtnctagtga 60  
gaggttcac tgataaaaat caaatattcaa gtacaatatc acttttataaa tatctaanan 120

## 2752

aaggatattc aataggaact ccattagatg gaccaaagg accaaaagaa aangntaaaa 180  
aaggactttt atatntatct caaaaaactt ctataccact tgttccagtt ggaatttcac 240  
atagtnaaaa gtggatatta aaaaagactt gggataaatn tgagataccc aaaccttttt 300  
aaaaagtnaa aatcttttta agtgaaccaa taacaattag tgataaagat gatttanata 360  
aatatacaga aattataaaa ccnaaaanaa angcgggccg ttcta 405

<210> 3191

<211> 94

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<400> 3191

gcagaactgt aatctgcgaa gatgaataaa caagcgaggt cactcttctg ggcatagaaa 60  
atgctaccac gtggntaccg gntgaangan gnat 94

<210> 3192

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

2753

<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (512)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (515)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (532)  
<223> n equals a,t,g, or c

<400> 3192  
gttttttagga attaagtcaa actaagggat angggcctga gtggaagagg ctttgccact 60  
gaaatgacgt gcatgtggca gccgccggaa ccagaggaca tgcagccgcg tgcggagagt 120  
gaggcggatc cattacgggc acacagctta ccatttcctt ccagaattcc ttcttccaaa 180  
caagctatac tgaaatccct ctagtaaaag attgagacga aacactaata gttttgggcc 240  
aaaacgtggt ggagaagttt gaaaagacaa acatagcaac gtgtcttttg ctatatggtt 300  
ccttgccctc cagcaagctt gaaatataaa aaggctaaca tgcaaaacta ggggtactac 360  
ccccctcccc cagtttttaa aaagcaatth ccagaagcaa acacacaatg gttcgacttg 420  
aagtgtcggc ataaccattc agtaagaaaa gctagaatag taaacctctt ttctggntgg 480  
gctatttatn aaacctaata aacatcaagg ancgactca aggatgaaac tnggcaatgt 540  
gtggagccg 549

<210> 3193  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (13)  
<223> n equals a,t,g, or c

<220>  
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<222> (24)  
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2755

<222> (30)  
<223> n equals a,t,g, or c

<220>  
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<222> (48)  
<223> n equals a,t,g, or c

<220>  
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<222> (49)  
<223> n equals a,t,g, or c

<220>  
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<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<400> 3194  
ttnagaacgt nttncggcac gcgctgcggn tcctcattca cctgcacnnc aggggtggccc 60  
catctaagct ggaggcgtn gaaaaggccc tggagcctac aggccagagc ggaataggca 120  
gtgaangagc tntactccca 140

<210> 3195  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)

2756

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

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<220>

<221> misc feature

<222> (380)

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<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

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<222> (439)

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<220>

<221> misc feature

<222> (452)

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<220>

<221> misc feature

<222> (460)

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2757

&lt;400&gt; 3195

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gcggacncgt gggggcggag gcagaggtgg ggctctctgg cagtggagtg ggtgctagag 60
gcaaaccctt cccctgcagc ctgcttgggtg gtgatgttat gctgctgtgt gtccttccac 120
tgaggcaggg gcacaggtgg cctgggctag ganggetgag cagcagagtg ccgagggatg 180
gagggagagc ccccatggga ggggtgccagg gggctggctg agcagctggg cggggtccgt 240
gaggttaagaa ggtgcccggg ccagggggca ngagctctga tgtangacag ctcantccag 300
tcaanggggtg ctatgaggac agcangggcc tncgagtctg ggggtggcctc acccccacaa 360
gcagtcctgg ctactcagcn gcactacca taggggaacnc ctgggcagtt tcttcaattc 420
ggtggcacat taacatcgnt tgaaactttg tnttttcttn t 461
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&lt;210&gt; 3196

&lt;211&gt; 69

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3196

```
gctcttcact tnnatngatg cttttagata tttggccctt atgtgggaag aanatattga 60
tctanaatg 69
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&lt;210&gt; 3197

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

2758

<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
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<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



2759

<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<400> 3197  
antnataaat caaaaaaatt nggggggggcc acccccggaa agggcttctt ttctggcctt 60  
gggcnaccaa gngcctcccc tcaaaccctt cccaagcttt caaccttatg gccaagcca 120  
agaaggggaa gaaagcccc gaagtngcaa nggaagaaag caagcanncc cgtggcccc 180  
aaccgggttc aagaaccna aaccaaggt gccgcttccc ttggggggccc aaggncctn 240  
nattttnaag aagtgaaga acctgaaca acttg 275

<210> 3198  
<211> 146  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
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<222> (28)  
<223> n equals a,t,g, or c

<220>

2761

<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3199  
ttgnaacccc gttaaagctt gtacgcctgc aggtaccggn ccggaattcc cgggtcgacc 60  
cacgcgtccg cnnccgcttc gccacgcgt ncccccacgc 100

<210> 3200  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (445)  
<223> n equals a,t,g, or c

<400> 3200  
gcggactcnt gggctgaaca ttagcaatgt ggtaagcact gcagtaggag ttttcacgtg 60  
tctactcatg taatcctcaa tgcaacctta aagataatgc aagtaccatt gctctcattt 120  
atggggtttgt gaatgctgag attaagaagg aatcgtgagt ctctacaagg ttggagactg 180

2762

taatgtgccc tgcctggctg gctctggctt cacactctgc attgtgtgtg cagggagctt 240  
ctggacactc tgacgaggat ctggttacct ctgcacaaca cagaagacag gttgaggaag 300  
acggaaagct gaggggcttc ttcagggaaa aataatctca gcgtancatt cctgtaagcc 360  
tgtctncatc ttacttgaag ggacttgctt ggatttctnc aaatccatcg ttgtgttgtg 420  
ccaagncatg actatttctc tctgngataa a 451

&lt;210&gt; 3201

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

## 2763

<400> 3201  
nggtctagggt gtegtccgag acncttagtn gnactcacat gggaaccnct nctatatattg 60  
naagctggta cccctgcngg taccgggtccg gaatccccg 99

<210> 3202

<211> 72

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 3202

ttaaaatcat gacatgacat acttttggaa tttagtgcc atagtctgac agatgncnaa 60  
angggtnat an 72

<210> 3203

<211> 84

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

2764

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<400> 3203

cccccggtcc ttttttttggg ggaaaaaaaa accccctcc cttttttttg gggggaaaaa 60  
aangantaan ccccttcttt gggg 84

<210> 3204

<211> 70

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<400> 3204

gctnatgcaa ggtcannccc cttcctgggg gcttggttaa tgtggatgag ngaaggcctg 60  
ggnccttgc 70

<210> 3205

<211> 477

<212> DNA

<213> Homo sapiens

<220>

2765

<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2766

<222> (177)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)

## 2767

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<400> 3205

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ggcttcgntg tatttagtaa gcctttacaa gacttggttaa agatgtnatg agtgccccaa 60
gctgncgttc cttcccttcc tgnccacaaa gtccttntc ctgaatttnc tacctaaata 120
ttaaccatat gcctagnctn tnaaactaaa aacttggacc tcatnctcaa ttattanctc 180
ctttcaactc tggagaccnt ctgtctggtc tnnctctaga aggttctacc gcataaattg 240
atntgtgctc cctgccctcg nactgcccaa gcccgggcct gcacatactc actggactgt 300
tnccgttttn acagatgnca gtcttctctgc cctttttcac actgcagctg aagttcaatt 360
acctnaaang acnnccttat ntttcatttc cttggctcca aacctttngn ttgcctctaa 420
gattaaagct caanttctta acagtgtaca gtgtgcaact tccaaccttt ttatntg 477
```

<210> 3206

<211> 559

<212> DNA

<213> Homo sapiens



2768

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (463)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (548)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (558)  
<223> n equals a,t,g, or c

<400> 3206  
ggcaaatttn ctgtgcaagc tctaagtagc aggtggtatt tccttaatat attgtttttg 60  
acctttgggg aaattggtat tacgagctga ctttggaata ttaaaatagc atcaaggtcc 120  
tacattttta ataaaacaat cgatatctta atttttaaaa tcagactaga ttacgatacc 180  
aggaaaagac atacatattt tgctttttatg tgttaaagtt ttgtaattca gggaggacaa 240  
gaaaagggat atggtgcagc tgaactttct aattcactaa gacaggaaaa aaggaaggaa 300  
aaaatgtata tttttaagtt tcaattttaa cttttgctgg taactaaatg ctttgatatg 360  
atcagtcata caaagagtta aattaagcat ggagctgttc anatggcaaa tctgcgttga 420  
gctgaangta aaagacatct ggatttttca ttcatttgct cancagcact aaatttcaag 480  
cttgtttttt tggtcagcat caaagaaaag ggtggtttat gggtatcgga ttttttttaa 540  
cccacatntt tcatgaana 559

<210> 3207  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (170)

2769

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (195)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (236)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (389)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (405)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3207

```

tcaaaatttt tggctgtgtt cttgaatact atagcttacc ccaagaggac ttgtggggaa 60
caagaatgag aggggtgaact agaaagaaag gtgattaggc attgtccacc ccaaaagcaa 120
ctcctctaac aaaagaagga gcttagagca gtttccatgg agaggaggan tggctgttta 180
tcatggctgg cctntcatt agctcattac caaaaaacct caaggaaca actaanaaaa 240
ggttttggga ttaaactctg tttaaagaaa tatccggaaa tagggtttcc cataaaaacc 300
ttgcccatth tttctaaaat ctgatttttt tccttntttt taaccataa atttttggct 360
ttattcntac atatnctggt attttgacnt cttttggcca aaaaataaaa 410

```

&lt;210&gt; 3208

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2770

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<400> 3208  
cttgntgact tnctcggaaa taconctact atagggtgaag ctggtacgcc tgcaggtacc 60  
ggtccggaat tcccgggtcg acccacgcgt tnncggacgc ntnggggtgaa aagctcctta 120  
gccctggggc ttgagggngg aaaggggtag ggtgggtaag agtccatgga 170

<210> 3209  
<211> 64  
<212> DNA  
<213> Homo sapiens

<220>

2771

<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<400> 3209  
gcgcgacgcnt nggcaagatc tacgaagaga gatagatcta ccgaagagag atagatttttn 60  
annc 64

<210> 3210  
<211> 62  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)

## 2772

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 3210

gcaaatagtn tatcaacccc agactatttg ttgacatgg gncaatnttn agaatatntt 60  
gg 62

<210> 3211

<211> 80

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<400> 3211

ggtcttcttt aggtagcaga ggtgcagagg aggagttag atgacntttg anacctcant 60  
catnaaggcc tacagaatnt 80

<210> 3212

<211> 74

<212> DNA

<213> Homo sapiens

<220>

2773

<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<400> 3212  
gcttctgagn taggagaact tattccacct tcaaaaccta gtttgggctg ggtgcagtgg 60  
ttnnactaat ncca 74

<210> 3213  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)

2774

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

2775

<220>  
<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c



2776

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3213

```
cttgctatag ctctgagcnn gtactcccg c aggnaccgt ccggaattcc cgggtcgacc 60
cacgcgtccg cccacgcttt tcgantacta tncctttacag ggaaaaaann gggctgttgt 120
gggcataccta tgcagaanca tatttncgct nggttcgaaa gattatgatg catcagctct 180
ctagcaaatac ttctttgntt ctttttacag cattgncctt gcttgnaccn ttngctgatg 240
gctgctagan tttaaantna tcntgatcnc ntanttgata atattagtga ttccgatttc 300
agctntcatt ngctatgctt ttgctnattt ctcatgtaac atttggtnaa cgattccagg 360
aataatngaca cataggtggg aataa 385
```

&lt;210&gt; 3214

&lt;211&gt; 90

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3214

```
gntctgtctg tattattatt cacctataat tagncattat gagataatga taatacagtn 60
ggatagtaaa gnttataata tataaatnga 90
```

&lt;210&gt; 3215

&lt;211&gt; 91

&lt;212&gt; DNA

2777

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3215

gaaactatta cnttgtaaga actctgccta tgcttgctaa atatagnngn gaattantgg 60  
tttactaaaa taancaggaa gaggggaaaa a 91

&lt;210&gt; 3216

&lt;211&gt; 413

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3216

gttttcatct atcttggcag gaagtgagta tgcgacatnt aagattgaga catcaaaaat 60  
tcacagcatg agcagattgt ttacagatgg ggtaactaaa aacaatgagg taaatgtggg 120  
tgcctctggg aaaaacactg gaggcattgg aaagggttgg gttgggggcc tgttgttttt 180  
tgcattcgcc cccttgagtt catttggtct ttcactaac agacacttac tgtttgccaa 240

2778

acacatgtaa atgaaacgac tttactgaag atttgaggac gtgagatatt ttctgtcacc 300  
acagtgccag atttaaaatt gaatattaga gaaacttggt cttaaaactt ttgctaggc 360  
actttatgcc aaccatgttg ctaccctctt ctctccgtcc tttacattc ttn 413

<210> 3217

<211> 146

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

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<222> (12)

<223> n equals a,t,g, or c

<220>

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<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2779

<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<400> 3217  
aggangctta anttatctta nnnaaacttc tgactatagt taaagctggt acccctgcag 60  
gtaccggtcc ggaattcccg ggtcgacca cgcgtccgtt acctctctgc caagtttggg 120  
ggaaaanngg ncaaanttna aaaaat 146

<210> 3218  
<211> 55  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<400> 3218  
gacctctact atagntnaag ctggtacncc tgcagggtacc ggtccggaat tcccg 55

<210> 3219  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

2780

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
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<222> (39)  
<223> n equals a,t,g, or c

<220>  
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<222> (115)  
<223> n equals a,t,g, or c

<220>  
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<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
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<222> (167)  
<223> n equals a,t,g, or c

<220>  
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<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
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<222> (243)  
<223> n equals a,t,g, or c

<220>

2781

<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<400> 3219  
tagcccgancg tgggacgnct gcnggtneccg gtccggaant cccgggtcga cccacgcgctc 60  
cgccacacagc gtccctggaat ttttttcttt tgaaagctat gtaggtggac tttgngatta 120  
tgtaagcata aagctaattgg gattggnggg agcccccant gagagcnggc angtgctgga 180  
caatcttctc tcagccttgc tctgctaattg tctccctggg tgtaggctgg cctcntgctg 240  
ctnntgttat gcancacanc aagataactg cctgctg 277

<210> 3220  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (370)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

2782

<400> 3220  
gctggcctgt ttttataact ttattttttca aatattaaca accactgctt tcagagtggg 60  
tattttgtta tttttgaagc aggaaataac catttgtatt tgcacctgcg tattgcatat 120  
gaattatggg atacttggca aatgcttttc ttttacctgt gaaaattctg aaagctgggc 180  
caagctacat tgcataccaa attgtgctct tatatattat ttgcatcgtg tcctttttta 240  
tcaaatagca tgttttagtt ttattatagt aagctttttg ctgtaagaat ggcaattgct 300  
taacctttta atggaccttg gaatctttta attattgctt ttnaacattg gtaattnaaa 360  
ccaaaattcn atttncgtaa tt 382

<210> 3221  
<211> 142  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2783

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<400> 3221

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acncccantt gaaacccnc actcattntn gggaaagctg gcacgcctgc aggtaccggt 60
ccggaattcc cgggtcgacc cacgctttcg caggagtctg ccacttgta aagaaggngt 120
tnatcctgag tcttnccant cn 142
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<210> 3222

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)



2784

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (569)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (604)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (638)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (652)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (669)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (672)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3222

```

gaatttgcnt taaggtcagc tagcatcctg ctggcaagcc nctgcatagc atttgtgata 60
agaaggacca actctaggct caatatgaag ggatttagtt ctgtaagcag caaaaaagct 120
tctttatcaa gtcattcttac ctctaattct tttccagtgt gccaaactcca aagtcaacat 180
taaaaatgta aatggacctg tgtaaatatc acagagagct tttccttata catctcaatg 240
ctgagagtta aaatattccc aggttaaaat ttttttaaag taccaataat agagctaaat 300
acaatgacat ttgcttttaa aagggtggata ttttatttct gctttttgaa aatacttatt 360
tagtattgac ttggaagcca atttgggtcc tttaataagt aaagaaaata atatgtttaa 420
aaatgtaaat gttttacaaa ttttgaaact ttcataaang nattaatcag aaaacaagcn 480
cattgccatt ctttgaaact catgtttcta gacatgacag cangtcaata aaaggatgaa 540
aacaagtgtc ttcactaagc cgtattggnc aataaatggg acccaaacgt tcaatctgtt 600
caanttacca aagggttcaaa aaatacgtaa tttagcangg aaacctttca tnccagtggc 660
tatcccagnc cncacattc                                     679

```

2785

<210> 3223  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (488)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

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gccacgcgt ncgattgggt ctttagcctt atgaattnga gctgcttatt taattgggtgt 60  
aatttactac atattagtac tatattcgta aggatttttt attaaccatt acagatttta 120  
caaacagcta gttatatgggt aaacagatta ttatgccttt ttgcaattct gaatatgatt 180  
ctagtatttg tgtagatgta tttggtactt tttccctaa ttccaacact agtttatata 240  
tatagcgaat aaatctagtt gtataaattt ttaaattgccg tcagtagaaa gcacacaagg 300

## 2786

ttatgatattt tttaattact ggcttctgat ttctttcact tctgatacctt ttctttttct 360  
canatgtagc tgagtccttga tcattttaag acaacgatgg gtagaatttg agaataatgn 420  
taattntcct ttgtgaattc anccctttac tatgctttgc cagaagatca gaatctccat 480  
ccttggnntt nggataacca tgt 503

<210> 3224

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 3224

nacctggata acccgntctc gaaggggagg cggcagcggc aagcggagga ggcggaggcc 60  
tgngaggggg cctgngaaaa gggctnggaa ggcctgaaca gnggg 105

<210> 3225

<211> 111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

2787

<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<400> 3225  
aaggcccccgcaggtaccggtccggaattcccgggtctaccncgcgtnnttttaagcc60  
ctataacaagctaaaaaaccggncaactntaaacgaaaaccccgaaaacta111

<210> 3226  
<211> 252  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

2788

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

2789

<220>  
<221> misc feature  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<400> 3226  
gaaagggtcgg aagncaccagg accgggtccgg aattcccggg tcgaccccgcc ttccccggac 60  
gcntttttaa ncngcaactg ngctctttaga gctagggggc acattaancn ttgcactggn 120  
cagcatcngg ctntatggaa cnnaagtnta ccaaataaa aaagaaactt ctgcttttaa 180  
aaaaantata tatatatatn aaatncgaaa ccngcatttc tcccacggca atgnaagaag 240  
tagggcgggt ga 252

<210> 3227  
<211> 70  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

2790

<400> 3227  
tttngcaccc aagggnatgc tggcccgggg ggagcttttag gatcaaagcc cgcttnacaa 60  
gacgacgaac 70

<210> 3228  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>

2791

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3228

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ttttcgccgc cgtctccctc ccttgcccgg ggngcatttn gnccttttgc ccgcctggcc 60
accgccccta ggggccccct ttctgccctt cccgcacccc tagtggggct ttgtctcggc 120
gcccagaaaa tggcgacggg gcccctggcg accccttccc cgaggacagc gccggactcc 180
gagccctcct ctcgagagcc cggccgcggg ccctgcgcca ccccctgccc cgtccttgac 240
ccggctctcg cctccgcttn tgccccttga aaccttggcg atcctatttc gtggactcct 300
agatcgggcc tgctacttgc aaagggtatg ccggggccagg gaaaccaggg atcggcgccc 360
gntctctggc agntcctggg ggcacttagg gaaagatgca gatgcaagcc ttgaactggc 420
actggccagn gggttcagnct tcactgcttg ng 452
```

&lt;210&gt; 3229

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



2792

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3229

gcggccgcac ancaagaatt nagngaaggn cccctgnag gtaccggtcc ggaanncccg 60  
ggacgtccca cgcgaccttt ttaaacgcaa atntaacia 99

&lt;210&gt; 3230

&lt;211&gt; 440

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (376)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (385)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

## 2793

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (429)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3230

```

ttttacgcnn ccgggtgtgc tgcttgattg agggctcctt agagggggag atacacacgc 60
acacacacat gtcaccccc gggtgcacc ctcacctct gccacagcac tgagggcctc 120
ccccgcgttg ctgttctccc aggaattcca cggcctttga gtacctggag gagttcccca 180
tacagatgct ggcccagctg gagacactca caggaggaa ggcaaagcac gggctcttcg 240
catcaacatg gaatatggca gaaatttctc tggccccgac aaggacgtct tctttgatga 300
ccggnctgtg gggcacacag aagatgcctg gcagtctaac tttcttcac ctgncatcta 360
ctactataga tacctnccca ccgngagca ggtctctgcc tcccccaacc tgngggctcc 420
tcaaaactna ccgctgcaaa                                     440

```

&lt;210&gt; 3231

&lt;211&gt; 528

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (455)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (515)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3231

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tttcataaaa aaataagagt ggaggaatag ggcaatattt tgccttaggt aaccagatga 60
attgcaacca ttaacatctg aggcaacatc tgaagaggaa gtgcgttatt gggaaatatg 120
ataaatTTaa tttcattgca ttacagtgt ctgtgggaca tcagctggag gtattcaatg 180
aatgtctgga tatagagcaa tgtctcagaa gaaagtctag aaatagtgt gtccaataga 240

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## 2794

aacctactgt gaccctcaaa tgcaaattat ttagtacatt aattacgttt tatttaaacac 300  
aatatatcta aaatgttatt tcattcttga atcaatacaa agttattaag atgttttctt 360  
gccagatctt aaacttggtg tgtaatttta tacttagcac atctcaagcc atatgtcaga 420  
tgctcggtag ccgtatgtgg cttggggact accgnatggg acagtgccgn tccagaatat 480  
ggtaatgggg angattatac cttaacaatg ggcanttgaa anactgca 528

<210> 3232

<211> 58

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<213> Homo sapiens

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2795

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aaatntataa agcaaaaata taactacaag gagaaattgg caaatnctca cttacagtgg 120  
gagaattgca tacngctctc agntaatgan aggacaagca aacaaaacta gnnaacata 179

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2796

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cacatttggc atcttatagg ctataaatta gagctattcg ccaacnctg ancangccag 120  
gc 122

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<211> 53

<212> DNA

<213> Homo sapiens

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2797

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cgattttttt caaagggttaa aatggaccnt ggtttgnaaa gananttcan tgg 53

<210> 3236  
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2798

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2799

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## 2800

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## 2801

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ggcaccggtc cggaagnccc gggacgaccc acgcttttcg ctnttccan cngaggggan 120  
cccaggngcg ggtcaaaaaa gcaaacann cggacaggga cacaaccna gacagntang 180  
aacgctgaga gaggantgnc aacaagcang gcgagccac ggncacacng gcaccngagc 240  
ngaccncga nagncccanc gaaactgagg cgtgccngca ggacagngag caggccctca 300  
ggagccaaag ggatgcaagg aacgaancct ggataccaan gagngagacc acgaagaaca 360  
cagatgaaac aangancaac cgagngctag gggcncacag agacaacanc ccggagagna 420  
taa 423

<210> 3237  
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<220>  
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<220>

## 2802

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gaatgggagg actgacggaa nggatggcaa ccaaccgaag gcggacacag gacgcnagga 120  
catnaaagca 130

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2803

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ccngcaggt accggtccgg nattcccggg gcgactaac 99

<210> 3239  
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## 2804

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ncccgaccc acacacacct agnggggaaa aaganccgng cccacagacn attagacaag 60  
agataacaca gggatacacc gagaaaatat acccagagag atacagnacc ccaacagc 118

<210> 3240  
<211> 116  
<212> DNA  
<213> Homo sapiens

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anggcagcga gcngggagca cagacccaga acgaagacaa gaacgaccgg nacaacgcca 60  
acggagctca agaggcgaac aagccgcaag acaagnngga cggaacacann aaaaaa 116

<210> 3241  
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2805

<212> DNA  
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gtcatttgca ttaagatgaa caatttctaa aaacatacat aanaaanagt ancaatcaac 120

2806

tgagcaaaaa tangggaaa

139

&lt;210&gt; 3242

&lt;211&gt; 105

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (77)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3242

cacaacacct accacagggga aaaccgcnac gcccgaggn accgggtccgg aantccccggg 60

tcgacccacg cntttcngcc aaacatggcg gggcaggacg gggggg 105

&lt;210&gt; 3243

&lt;211&gt; 522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

2807

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<220>  
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 acctcccacc tttggtccta agtccttgcc ccctcccctt cacaccataa ctaggtaaca 120  
 gtttgataac tagggaagaa agcagaacag ttaagcagcc gccacatccc cgctggctgg 180  
 gggcctcact ccaggaagg gctggactgg ctgtcctttc cagtggcctg gctccgctgt 240  
 gtggatgggg agatcggggc cagaggcaga accctgggtga ggaagctcca gtccctgctct 300  
 ctaccagcc catcttgcc ccatggtgcc tctggaggcc tctgggcctc ctctaacagg 360  
 ggctgggtggg caccaagagc caatggagta gacccctggc tggtaagggc caagtcccac 420  
 cggttgcttc tgggaaaggg tttctaacac tagtctgtgt gctggggntc ctgggggtgcc 480  
 cttcactggc cttttggtna ataacaaggg ccttgnttaa nn 522

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<220>  
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 tgaattcttc atcacagcct gggtatggct taggcattat aaatgatgct gtgctgacag 120  
 ccagggtggac agcctgccta actggatgat gcttcatctg tcctgacagg gacagccctg 180  
 caaatagaat ctgaggggatg gcagacctat tggagtcac gtgtcctttc actgagtctg 240



## 2808

gtgggactct cttccactca tcttanactg gaagatgcct gnccttttttc tttcttataa 300  
gtcttcacag agaaagggag ctttttccca agacacactt tatttttctt ttggcaatgg 360  
ntagtgaag ggttaaaaag ttcttgaagt caaat 395

<210> 3245

<211> 142

<212> DNA

<213> Homo sapiens

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## 2810

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<220>  
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ttgaaagtga ccttgtcctg atttcagaat tagaaattta gtgagtgttt ttattgcctt 120  
aggcagcact tgcttaatgt ggatgacatg tcaatggcat taaatcacca ttgagccaca 180  
ggctgtgaag ggagccagtc agcatcagtt ttctgactat tgtgcctaag aaactcaaaa 240  
agatttgtgc tgcangcatc ccgaaggatt gggaccacaca tgggccttga tgtgcgtttc 300  
tgtaggccag agcccagcca aggctcctgg catgtttttc ttcacctttg caggctaaca 360  
gaaatgtctt gattctcttt caaatcaa 388

<210> 3248  
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2811

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## 2812

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2813

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2814

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2815

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taatgctagc acgcntcgca nacactacga aaggctcgca cagtcaacat ggtagtgtat 120  
gcenttcaca gccaacacgt ctatacactg gggacttcac cagtcaaaat actccnggtg 180  
cnttaaaatt aagggcnttt aattcaactt aagcggtttc cgaataaccc aaaatttaaa 240  
tcaaacgggt taatttttta cggagnngac cctttactan gggaagggcc cccaatttt 300  
aggaccntc naaatatttn gggcctttta aggcccaaa tattttccaa acccttttaa 360  
cnatttanna aatttccaaa tttgggaaaa aatttataaa antanncaa tttggnaaaa 420  
tgggggaaac nntgggnttt aaaaanccgg ggaaatttgg ggggggnccc cccttaaagg 480  
gggnaaaaaa tttggggaac tcccccaaaa ncaattttta ttgcnaccc ttnntttcng 540  
gggggaaaaa acccaaacc ccnaaatttn agggggnntn ttaaaacccc ncccccaag 600  
gngggngcaa acctccggcc nngtttcctt tgggaaacca aatttttncc cnggggtttc 660  
cattngnncn ttgggaaatt ttttaagttt 689

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2816

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ctgggactta gctccttgga cagcaggccc cccacagtaa ctgtgtctgt tttctttgct 180  
gctgagctcg tgcacagaga tgatggctga tgcctccttc tccctcaggg tacgggtctg 240  
gcacgtgtgg gctcctggta atgccagtaa tggcctctgg gtagagtagg gtcacgtcac 300  
tctgagagaa ttccccattg tgcctacaga ctcaccctt tctttccctc ttctgntttc 360  
atttccttcc ctatattcag acagacattc ataggatgga catagaaatc atnttaatga 420



2817

cngaaaagac ttttaaggaa ctattcactg nacttanctt gtaccaaaca nc

472

&lt;210&gt; 3250

&lt;211&gt; 699

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (163)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (230)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (318)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

2818

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tagattttcca tgaactctga gcacagccaa caatccccgc cccccactcc tccctacccc 120  
caagtgttac caggcttcat tctttagngt cattccagtc ctncactaaa tttccattag 180  
ttattaatca tctaaagctt ttatctaaag tttaccattt atccttctgn ctctggccct 240

## 2819

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gnattccctt actttacaga gatatatatta aaaaactgnc acttgtaaaa gcaaacagac 300
aagtgggata gaatactnaa aagtcangan aatagaaagc cttttctgaa attgaatcac 360
cttctaacag ctatttctaa taaaaaatgt attaagaaag aaagggggaa aaaaaggctt 420
ggatcccgaa agacagtttg aatcataaca gtgcgagtg gagacagaag acaatcactt 480
tctactctct gctngtcnct aaaggaattt cagttaggta ttcaagaatg gaagaacacc 540
gagagtcagc cgttcttctt tctcttttaa acaaaaacca aattcatctt gggcatggta 600
tcaagttgnc ttgaatgtan aagggaaaaa aaaaggcant ttccaaggca ttacctaaaa 660
atcaactctt tccatttaaa tgngggggcca tnttggttaa 699

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<211> 132

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<222> (69)

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<400> 3251

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tnagcgacnc ttctgtcctg cncctccgaac acacagcgct gtcttgga aa actctgcaca 120
cgtgtgcaga ct 132

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<212> DNA

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## 2820

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ccacntcttg gaa 133

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2821

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<220>

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<220>

<221> misc feature

<222> (40)

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<220>

<221> misc feature

<222> (51)

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<400> 3253

ggntggctga agtgtacgac cttgcggnca gnaaaccagn tgacattgaa ngctca 56

<210> 3254

<211> 158

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<220>

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<220>

2822

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atgtacagcc caggattagt ttatantctt tggttgaagg nctctttttg agacangaac 120  
ttactcagtt ncacatgctg attncctaaa tgcaggtg 158

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<211> 279  
<212> DNA  
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<220>  
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## 2823

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tttgatgaag atctgcaaaa gaagatagaa gagaatgaac gggtgcatat acaatttttt 120  
gaagctgatg agcagcacia gcatgtggaa gcagagctga ngagtcgact ggctactctg 180  
gagacagaag cagnccagca ccaagctgtg gttgacggtc tcacccggaa gtncntggaa 240  
accattgaga agntncagaa cgacaagggtt aaactagaa 279

<210> 3256  
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<212> DNA  
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<220>  
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2824

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<223> n equals a,t,g, or c

<220>  
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<222> (599)  
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aggggagagt tgggcaatag aattaatata agaaggttct gatctctgta ctcttttggt 180  
gactaagtcg tgaaaaatat atttgccatg tctcaaattt gttggacttc tgatacagtg 240  
tggtttaatg ttcttgctct cgctaacagc aacattttac aatcagtgtc gagcttggtg 300  
ttggcattat gaagtatttt gtttgggggg cacatataga agagctactt aggatgaaat 360  
agaaggatg acaacattgt agtttgtgca tatcaaata tcagatgcca tgggatttga 420  
gagaagtggg agagaaaagt tttggtgtga ataaaactgn aataatgtgt anagctaaag 480  
gaacagtggg agacaacctg aantagaaag tgtttcacag agaatgctaa ttctggagcc 540  
tgagccacta cttttttttt ttttttttaa cnggntngaa ccagacttta nctttctgna 600  
aaacttttaa aaacctcttg gatgccttg 629

<210> 3257  
<211> 489  
<212> DNA  
<213> Homo sapiens

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2825

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<220>  
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<220>  
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 <222> (485)  
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 aaaattaggg aaaaggtgaa aaagaaaaaa tggtagtaat tgagcagaaa aaaattaatt 180  
 tatatatgta ttgattgnca accacattta tctnagtaga actgaattgg ctcggaaaaa 240  
 agaaaaactg catgttaatc attttcctaa gctntccttt tgaggcttag tcagtttatt 300  
 gggaaaatgt ttagnattat tccttgctat tagtactcat tttatgtatg ttacccttca 360  
 gtaagttctc cccatttttag tttcctagga ctgaaaggat tcttttctac attatacatg 420  
 tgtgtgtgca tatttggtt ttgctatata ctttaacttc attgttaaaa aaaaaaannn 480  
 annanaaaa 489

2826

&lt;210&gt; 3258

&lt;211&gt; 110

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (77)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3258

ntagaaatgt actcaagccc tatTTataaa caaatacttt tctacttgaa gtntaacnct 60  
tacagaacat cacctgnaat ggccacncac actgtatgtg tgagtcatan 110

&lt;210&gt; 3259

&lt;211&gt; 462

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2827

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<220>  
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 <222> (60)  
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<220>  
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 <222> (394)  
 <223> n equals a,t,g, or c

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<220>  
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<220>  
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 <222> (462)  
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 aatgaaaaag atcctttttca aaaagggtgat cctgaaaata aaactaacac tccagtattt 120  
 tgtcattgtt tttcgcaatt gagctatctg aaaactgtta ttcctaagta atgttcaaaa 180  
 atgataagta atctggatac ctttttctta tactttctcc taggaaaact ttaaaacttt 240  
 aaaaaggcaa acctaccaat aggaataaca aattaaatgt caagagagta tatccaatat 300  
 taggatataa aatgtatgtg tctcaagttt aactctacaa aaatttggtta cttgttttta 360  
 aactctatat ataaagttcg acttaatcat gggntgtnt aagaagtctt ttggagagca 420  
 agaacatttt tgcntttctt aaagggggg gtttacttgn an 462

<210> 3260  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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2828

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (396)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (452)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (479)  
<223> n equals a,t,g, or c

<400> 3260  
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ggtggttagag tacaggatct agttgtatac aaaattgggt ttctcatcca ttgggagaat 120  
ttttattttg gaataacaga tgaaatgac aggtttgttt atgatgaggg gggtatttgt 180  
ggtcataaat tcaaatacacc ttctttattn nttttctctt tgttgacatg ttctcatat 240  
gagataaatg gccttttgaa aggtacctac cttagcatgt gccacagtat gatgtgttca 300  
tggtgatata cataagcatt tnctagtctt aagggtctagg gggtatgtaa tattggattt 360  
gcctnaaagt ttttgaatta cacataccat attctnaaca tttaaaaatt aaataatttt 420

## 2829

gcttatatat ttgattatta tgttgggnga gnactcctgt tatagagtat ttattgngnc 480  
ag 482

<210> 3261

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 3261

gtcantgtct taattgaggc caccagatac acacatgaga atataaataa cggcttgtgg 60  
caataatgac taaatgccaa ggagtggctg gtaaaccgng gtgttccta gagaccccg 120  
cctgggctct acttaggctg cctcttggac atcagaccaa ggcttacatt ctgaatccac 180  
agggcaccca catgggtggt gtcagtcccc cacagacaga gaagtgtccc gttgcatttt 240  
tccatctatt ccagtagtaa gatttgtgtca tttgagattt tctttaactg tataattgga 300  
cgtttaatta acaaaccaga gaggaggaaa aacaatgagg tgggtagagc atcatgttca 360  
gcctcagggc tgtacagcaa agcaatttta gactgcggat gttgagtctt cagttaccct 420

## 2830

gagtgccagt tacagtgatt cacatctgaa agaacagtct tgntgagang gacagtncaa 480  
ngtggatngg c 491

<210> 3262

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<400> 3262

ccccctgaa aatactacta tatttcaagc tggtagccct gnaggtaccg gtccggaatt 60  
cccggtcgga cccatnngcn cgctttnaaa aaaaaaaaaa aangg 105

<210> 3263

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

2831

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
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<222> (287)  
<223> n equals a,t,g, or c

<220>  
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<222> (302)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (304)  
<223> n equals a,t,g, or c

<220>  
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<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

2832

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (464)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<400> 3263  
ggaatcctttt aagtgtggtg gtaaagattg caaaataata aaatgacctc tgaattttaa 60  
atttagaaaa atatgtcttt tctatatattga ttttacaatt tggagaaatt tctcttattt 120  
tttatatttt ttcttttagt gggagaagtt tagtctacgg ttttttattt ttagtcacca 180  
agctgtagcc aactcctggg tcattttctc tgaaaaacat ttggagatca tgacaagttt 240  
tggattaaaa cattctgtta ttttgcatgc aaactanntt actgngntcc agactggcca 300  
annnttggn cccntatcaa caentgcccc tttagnngct ttcataccat taccaccagt 360  
accagaaact ccagggtggc caagcttaaa gtaaaaatcc taaagcacat tggcttctcc 420  
catgcaatgt gctgggtcca aaccatgctg gtaaatatna naantcctat gggtatgact 480  
gactaatgac aatnatagcc ccaaaataca tttttttgat actatttaan ccaaga 536

<210> 3264  
<211> 459  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c



2833

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<400> 3264  
ggnggaacct gggtccggca gcccagcccc gcgcccctctg cctggcccct gttcctagat 60  
ggtgggcatc gggacgtcgg atgtggacct ggacaaatac cgccacacgt tctgcagcct 120  
gctgggcagg gatgaggaca gctggggcct ctctacacg ggcctcctcc accacaaggg 180  
cgacaagacc agcttctcgt cgcgggttcgg ccagggctcc atcattggcg tgcacctgga 240  
cacctggcac ggcacactca cctttttcaa gaacaggaag tgtatagggtg tggcagccac 300  
caagctgcga ggacgagagc ctggctggag cccgcgttgc tgttcccaca gggcctcggg 360  
ttttcctaac ttgctctgca tgctgtcagc ggctgccccg ccgtcataga cttaaaggac 420  
tgcaataaat gtagagttga tgtctaaaaa aaaaaannn 459

<210> 3265  
<211> 117  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<400> 3265

## 2834

aaaagaggat gaaggataag gttgtagcac tgntacaaga cccactgggtg gtgacnanaa 60  
cggcatgtcc tgggagggtta aantanactg aatgcctaga tattatccta ctgatga 117

<210> 3266

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<400> 3266

gagagtattt atgagagtag antaagatna aggagcaaag gggagagata tataatgaag 60  
acacctcctt aatgggtctat gtcaacgcta ggtgacctgt cttcctttgc ttcttcaagc 120  
ttctaggacc tgtgtgtttt gtttcatttt tggttttgaa ccctcaaaac aacactctca 180  
gtttcatcca ctgacatata ctctgtgtgg tgcttggtaa attacattca ctttctcagc 240  
ctttgagctt cactttcccc ctctgtgaaa taagcagggtt tttaacctat ttgtattatg 300  
gatttctttt aaaatatgat gaaagctgta gactctccat tccaaaaaaa aaaaaaaatg 360  
aacaaatatg catacacaaa agattttaca aatccatctc aggagggtcac gaaccaaccc 420

## 2835

ctgataactca tangactcca tgggatcttt taagtttcca ggtttaaana acatntnggc 480  
aagcattttc caagtanccc atttcacat 509

<210> 3267

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (493)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<400> 3267

gcccacgcgt ccggggaaat ggggctaggg aggtgaaagt gcgtgggtcac aaaatatcag 60  
aaatgccagt agcccagagg gacttgcagg aaaagcgtgc ctaacattag tctcaaaagt 120  
ctggatataa ctaaagatcc aggtgaagtg ggggtcaaggg tgggtcttggg gactctggtt 180  
tggcagggct caggcctgac ccgggtgcct attcctgcag cgctgggtttt ggttggtgag 240  
agttcttctc agtctgttca taggcgcaga aattgtgggt gagtgtgtgg tgcagcccat 300  
ggggagagga cggggtgagg aaggaggtgg gcagagggca cctgggacaa tagggaactg 360  
gggttggttt tctgtccct ctccactc tncagctcct tctagggccc actttttggc 420  
ccttaccatg caaccacatt ggacctctaa gtncacctct ntcttgacgt gtccacactt 480  
ccataccact ttntaattnc attttccanc ct 512

<210> 3268

<211> 51

2836

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<400> 3268  
gatgaagtna ccctagccat catatgagat tgtttgggct nttgntcgca n 51

<210> 3269  
<211> 202  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

2837

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (198)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3269

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ggtgggctgc agtgatgact ttggctttct ttccaaaaat gacggcagcc atactgtgat 60
ccctgcccc aactgctgca cagagaagag ggtgaatgcg gcgaggggtg gtggaaggtg 120
ggcggtgagc tgggggggta tgggtgataac ctatgcaaga gatcaagggt gtggtaggga 180
gcannngnttc tcaancangg ga 202
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&lt;210&gt; 3270

&lt;211&gt; 237

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3270

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gcggnnncgt ggggaactgg cttagttttt agaagagtga tcggtctcat taaagtggag 60
ggaaaaatag gacccttaag gaaaatcaaa agatagtgc ttaatttagc tagaaataag 120
gacttaatat ctgtcttcaa atatataat atggctttgt ggagtgggtt ttggaccagt 180
aaggcagctt atttagcata atgattataa agtggnttct tctgctttgc gaactgt 237
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&lt;210&gt; 3271

&lt;211&gt; 59

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

2838

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

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<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<400> 3271  
ttttgcacct tgtcgaccac tcaggcgag gncagggaa ggacnagnga cnccanagg 59

<210> 3272  
<211> 430  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2839

<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<400> 3272  
ttttcgccat ctacaacagc agcggagagn tcatcaacaa catcaagtac tacgacggct 60  
tcatgggccca gcgggtcggc gccatcagct gcctggcctt ccacccgcac tggcctcacc 120  
tggccgtggg aagcaacgac tactacatct ccgtgtactc ggtggagaag ccgtgtcaga 180  
taagcggcgt gaccccgggc ccaccaggcc acggnccgct gctgtacata gtgaagctgt 240  
cactcgnccg ggcacggngc gtcggctgct gcggncccgc agtgngaacn gttggctgct 300  
gccttagctg ctgatgacgg caggagggcc ctgctactcg cttttgtctg tcttcgctgn 360  
cgtgtctgga atgtcagggg aggggagggc tcgggttgac cngtggcttc ccactgagca 420  
ccagcaatca 430

<210> 3273  
<211> 86  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)

2840

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<400> 3273

ttttcgggga ttagagcccg gcagacagag ctctgggnct gaccttagcn ncattcttca 60  
tggctgccaa gtgagagtgn ggcccc 86

<210> 3274

<211> 74

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c



2841

&lt;400&gt; 3274

gcantntntc ccgcctgccc atcatcgatg tggccccctt ggacgttttg tattcaatca 60  
ctgtnttgtc cnat 74

&lt;210&gt; 3275

&lt;211&gt; 150

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (89)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (122)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (143)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3275

agngacttca atgnaatctn gctactatatt ggaaagctgg ccgcctgcag gtaccgggtcc 60

## 2842

ggaattcccg ggtcgaccca cgcggtntng gacgcgtggg ctattttcta aataaacctt 120  
tntaatctaa aaaatagttt ggncgtntg 150

<210> 3276  
<211> 189  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<400> 3276  
ggaatgctga gttttcttta tcttgacact tgatacatag gtaattcata tatctatatg 60  
cttcacgttt ttatagttaa ctgtatatat gttattcctc aaaaaaaaaa agaaaaaaaa 120  
atcctttctt tctacagagg tacntactac tctacctgnt aatcaccaat ctcaacatgt 180  
tnacngaan 189

<210> 3277  
<211> 51  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2843

<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<400> 3277  
gcccacgcgt ccgggagggt ggngggaatt aagggtgnta ttnaccttna c 51

<210> 3278  
<211> 143  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
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<222> (118)  
<223> n equals a,t,g, or c

2844

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<400> 3278  
ccgggntttt ntgggggggtt nttttcccnt nggcattttc aaaaaccaag gttgggcctt 60  
ttgggggaacc gggggaaaaa cccctggggg caggccttcc ggttttctct cgcaaacn 120  
ccccggggcn cngnggctcc ggc 143

<210> 3279  
<211> 57  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
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<222> (38)  
<223> n equals a,t,g, or c

<220>

## 2845

<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<400> 3279  
gcatttecta aaggctngag ccggagctgc cgngncangc gtctaacaag gccntta 57

<210> 3280  
<211> 589  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (529)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (535)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (538)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (564)  
<223> n equals a,t,g, or c

2846

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (570)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3280

```
gtcctccent cttacctaca agtgctgacc cttcctgggn tgctgccaaa catgaccctg 60
gatactgtga gtctcaggct gctgggctac caggatcaga atcaagaagg gaaaaggatc 120
aaaatttata gagtatcttt tagagtacta gcatgggcat ttcattacca actttgcaaa 180
ataggtatca ttgatcccat tttatagacg aataagttga gtctgatgga taacttgcta 240
tgtgaggggac ccaagcctgc taattctaca cttttgcaca ctctcacttt attgcctaca 300
gaagagctca gaaggagagg gagggagagg gggacgggaa gtagaactgt ccctggggta 360
gaaataaatt ggagtgtctg acatgtgcat taggagccta ctaggctgna ttgcagatga 420
ctcagtatgc aatgggcagg aaggaggggt gaagagagga gtaggcagtt ttctncaaag 480
ctgctttaca acaacatcct gagtgtgaac ataagtgagt ctacatgtnt atctntgnct 540
cttctacaca taccctttgc aagntgctgn gtggaagttt ttggggcct 589
```

&lt;210&gt; 3281

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

2847

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

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<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

2848

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3281

```
tgcactttct actncagatc tttaatgggn naaccncng cagggtccgg tccggaattc 60
ccgggtcgac ccacgcgtcc gcccaactttt aggatgggtcc tcttgactt cgtgtgctcc 120
ganncatggg gacgatgaca caccctgggtg gcatgcccggt gtatggttgg ttagcggttg 180
ctgcattggt ctagagtga acaggtgtca ggctgtcact gttcacacaa atttttaata 240
agaaacattt accaaggagg catctttgga ctctctgttt ttaaaacctt ctgaaccatg 300
acttgaggcc ggcagagtan gctgtggctn gggactttaa naccaaccat taacaattgn 360
tggttaaagn aatttccgggt taccgtccat ttccaagttg gaaaatgctn agtccttttn 420
nttttttttt tttccaattn aaaaaggacc attnaactta aaaaaaaaaa a 471
```

&lt;210&gt; 3282

&lt;211&gt; 548

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (503)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (518)

&lt;223&gt; n equals a,t,g, or c



2849

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (548)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3282

```
gggaggagtn tctcctggac catccgaacc tagcctgtcc cgccccgnag cctctatgga 60
ggctcctgcc gggccgtaga gcccttcgcc ccctggggac ccacccgtct ataaggtccg 120
tttggcctgc agcagcctga gtccgtaatg ctgggcactg ttcattgggat cggcccccta 180
tggagccctg tgtctatagg ggactcctac ggtccctagg gtccggcccc gtccataatg 240
actccatata cagggccttc catcgctcta tagggctcag ccctcggctt ccagagcctg 300
tcagcagtgg ccgtaccctt cgcggggact gccgggtctc cgggacctct tcgatctaca 360
aggtcatgtt atgcctatag aggtcgcatt tgcagggcct caccgccggg agagggtcct 420
cttcaggttt ttacggcctg tccccgctct aaagggtcaa gtgcaaggan gcggcnaatg 480
gcccttgggc aaagggttctt ggnccatgggg aactgggntt ttgggccttg ggcccgtgct 540
gggggtcn                                     548
```

&lt;210&gt; 3283

&lt;211&gt; 159

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (124)

&lt;223&gt; n equals a,t,g, or c

2850

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<400> 3283  
ggccaaacct taaanaaggt tncaaggggc cctaaatntn ttgggaatt tttccagggg 60  
ggaagacct taacacctg ggaaaaaaaa aagaatttgg gaaaaccac ccgggaacca 120  
actngggggg gccttaantt taataggggn aggcggggg 159

<210> 3284  
<211> 183  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

## 2851

<220>  
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<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<400> 3284  
atggctggga agaaanttca ccnccctgag cttttctgac cntgaaatng gcagggcaca 60  
tgacacaccc attttataaaa tgggcatgnc cattttgata aaggaggaaa gaagttcaac 120  
tccncttct ncaaagtcca gggccttggg ctccacagcg aaagcctncc cnatgcccc 180  
act 183

<210> 3285  
<211> 174  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

2852

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<400> 3285  
ngattnaaaa agctcaagan cgcngaangc tgggttttta caaggatatt cggatattga 60  
tgaaaccag ttaggcattga catattcccc ttctcccat tctacctct cttttattaa 120  
aaattttata gttacagtgt ctatgttgcc cagccnggnc nngaaccctn tggc 174

<210> 3286  
<211> 316  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
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<222> (20)  
<223> n equals a,t,g, or c

<220>

2853

<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
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<222> (61)  
<223> n equals a,t,g, or c

<220>  
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<222> (108)  
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<220>  
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<222> (119)  
<223> n equals a,t,g, or c

<220>  
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<222> (121)  
<223> n equals a,t,g, or c

<220>  
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<222> (123)  
<223> n equals a,t,g, or c

<220>  
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<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
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<222> (179)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2854

<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<400> 3286  
aggaaaacnt gcactataan ntcgggnaag gtactcctgg gggtaccggt ccggaattcc 60  
ngggtcgacc cacgcgtccg tttagcgctc cgggcggctg cggaggcnat gggcctgant 120  
nanggccgga gttgcccgga gcctgccacc gctctcagnc agnccgcate cttctctgnt 180  
cttccctccc cccgcctgcc acggngeggg tatccgcagc cacagcccgg ggccggtgag 240  
gnngcgaang gggaggggag gaatcaagg atgagcgcn gaagggcggt gggggccctg 300  
agcngtacta angacg 316

<210> 3287  
<211> 130  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

2855

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<400> 3287  
gannnttagg cccggcccct ccccgtttcc gcacagggac cgggaccggg accgngagcg 60  
ggagcgcana gacgaggagcc gggagcgaga caaggagcga gaacggngac nctcccgctc 120  
ccggnaccgg 130

<210> 3288  
<211> 576  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>

## 2856

<221> misc feature  
 <222> (370)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (429)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (503)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (524)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (541)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (555)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (562)  
 <223> n equals a,t,g, or c

<400> 3288  
 gggcttttgc cattttttaaa aaaggataact ggaaacggaa aaganatgac attcatatga 60  
 acaatgcatt tttcttatta atataatcta tttttgtatt ttacttaatg agctttaagt 120  
 gcctgtcgtt ctgaaaaattg tgtatttata attcagctta tctcacaatt ggacctaata 180  
 gcattttcttt gtgcagtttag gtgacgagca ctgctttgag gcccaagcac tagtagagat 240  
 gcgcgataca ggtctagttt cggtaactgt tccagacatc aagcaataaa aaaatgaata 300  
 ccacaaaaga tgtttgattt tacagtggag ctttactgaa ccagcattca gaagtttaag 360  
 gncctcctan gtatgagtat ttttagtagt ggatcactgt ggcaggggtgc aacttctacc 420  
 agttcctgnt tcttctgagc cagaaccctt tttcaggga aggggaccca attaatttta 480  
 aaaacctcac cttgaagcac aanttggcca tgggggcttg ggantaaagg tcctattttc 540  
 naccctggta acttnccaaa tnctgggaac cccag 576

<210> 3289  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens



2857

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<400> 3289  
ngaagtgnta gatctatgaa agctnntacg ccctgcaggg taccgggtccg gaattcccgg 60  
gtcgacccac gcgtccggga gttntgtgga aacctcccct ctcagcggcc ngggg 115

<210> 3290  
<211> 58  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2858

<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<400> 3290  
gggatttggg gtggaaacct cccctctcag nggggngngn gatnaaactg antaatac 58

<210> 3291  
<211> 448  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
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<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

2859

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>

## 2860

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<222> (300)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<400> 3291  
gtgctgcttg tcagacattg ctgtctcttc ctgtggattt taattggaga aaatatatta 60  
ggtgactatn ntagagctga tgaatttgca gatcaatctc ctggaaacct cagttcttca 120  
tcctnagaa gaaagctgtt ttagatggg aacggaagca tctccgactc cttaccttcg 180  
gcttctnccg gaagtcctca cagtgggtgtt caaacatcac tagagatgnt ttattnaana 240  
nnattggnnt nttgaaaang gaaggaagcc cctngcagac accaagttcg gggcagtgnn 300  
cttctagccc tatncaggct aagtgcacaaa aaatacagct tgggaagcat aactagacct 360  
tcgctatttc ttcacccact tttnaccaa ttgaattcag ataggagaga ctccactctc 420  
agaacanagg aagnttactg gncattct 448

<210> 3292  
<211> 292  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

2861

<222> (1)  
<223> n equals a,t,g, or c

<220>  
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<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)

2862

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<400> 3292

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nanagaagac ttnttgtaga ccccttgaa natacgnaaa gctggtagcg ctgcaggtac 60
cggtcgggaa ttcccggtc gacccacgcg tccggctttt ttagatattc ttcctttata 120
ctacatcaaa acttgataag ttgcaatgta natnactggc ccagggcttn gccatctgaa 180
gattnggntg aaaaacactg acatgaagtn agattaatag gataaaaaggc atatacattn 240
atttaatgtg aatacacagc ggnctttata atgaanaccn aaagatacag aa          292
```

<210> 3293

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2863

<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)

2864

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3293

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gnnncaatcn tcctttgtca tttatacttg catttgccctc cttttaccct aaccaattnt 60
tttctctcat gtgcatatat gtattccctc tttcccaaca ctggcataat tacttcaa 120
aattattcaa tcctatcaact ttcatttnta gattttcctt nttgggggga ggaggattat 180
tntctttata aaaatgntaa caaaatattt caaacttgca gaatataacc aatatccatg 240
ancctatctc tcagaattaa tnntttaaaag aaataaaaac atatatnagg agtctccttt 300
ggacttna 308
```

&lt;210&gt; 3294

&lt;211&gt; 454

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (390)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



2865

<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<400> 3294  
aaantactaa tactcatttt nanggnngggc taagaatatg aatagaccat ntgtctatta 60  
tataaatata gtgaagaaac atatgacaaa atgttcaacc ttagtcctga tcagaataaa 120  
aataaaagta aaataggtac aatttttaaag ctactaactt gactacaagg agtagtgctg 180  
gtgaggggca gggaggccag aatcgtggtg tatggctggg ggtcgggggt gtaaagagcc 240  
tccatccttc atctattcat tatactaaca tacttatgag atatgtattt attaagtgcc 300  
ttcaaagtgt tataaccttt ggctctgaat tctacattta ggaactatag atacaaatta 360  
ttgacctgat gatgatatta cttaatgggn aggagaagta gctaaatata ttaatagcat 420  
gggaaattca tcgaggatna ttaaaagana tttnn 454

<210> 3295  
<211> 555  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2866

<222> (79)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (105)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (406)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (487)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (511)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (513)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (522)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (550)  
 <223> n equals a,t,g, or c

<400> 3295  
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 ngtcgaccca cgnttcntnc agcgcgggga gcccgtcggt aattntaata ttttattata 120  
 tatatatatc tatatttttg tccaaaccaa ccgcacatgc agatgggggt cccgcccgtg 180  
 gtgttattta aagaagaaac gtctatgtgt acagatgaat gataaactct ctgcttctcc 240  
 ctctgccctc ctccaggcgc cggcggggcg gccgggttcg aagttgatgc aatcgggtta 300  
 aacatggctg aacgcgtgtg tacacgggac tgacgcaacc cacgtgtaac tgtcagcccg 360  
 ggccctgagt aatcgcttaa agatgttcct acgggcttgt tgctgntgat gttttggttt 420  
 ggtttggttt ttgggctttt tttggattat aaaaaataa tctatttcta tgagaaaaag 480  
 aagcgtntgg atattttggg aatctttccg ntnaagcatt anaaccttta ataaactttt 540  
 ttgaaaagggn tccaa 555

<210> 3296

2867

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (241)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3296

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gagaatgtgc tggagctacn nagccgagat ggctctgagt acctgatcca gcacgactcg 60
gaggccatca tcagcacctg gcataaggcc attgctcagg gcatccagga gctggctcac 120
tgggtggaggt aaggagagtt aacctgggta agggaagaga ggactcttcg ctgaggggtct 180
ccaggccatg cctgttggga gtgcatttcg ggtcccttgc ccatcctgga aggaccgcga 240
nntggctcaa ggccccgcct ttntgaggct atggnaatcc antccgcaaa 290
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&lt;210&gt; 3297

&lt;211&gt; 121

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2868

<220>  
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<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<400> 3297  
agcanaaaaa tgcactangg ccatgggagg attcagtgct aaancaagaa tgatanaaaa 60  
tagtctcaac ttaaaggccc ttacccaaat ntgaaaatgc tgaagaatta actntaaatn 120  
t 121

<210> 3298  
<211> 182  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>

2869

<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<400> 3298  
taatanchac tttggnccat acctttccgg ggtgtgtttg aggatgccct ctaccatgtg 60  
ggccttcccc aggagatgan cctgttaagt gntcggcagt aacctactan ggncccttcgc 120  
ctcagcagca aatcttgcta ctggctctag atctgcgggt tncctntac cctgcctccc 180  
gg 182

<210> 3299  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>

2870

<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2871

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<400> 3299

gggtttntag ncacatcctc taaaattgat ggaanagcaa gactttatgc cttgacatan 60  
cccnagtggg agccagacta taaggaataa aaggaaaaac tttcttcctc tctctccaag 120  
aggatatggg aagcttctgn gagtgcatag gatgggggct ggagtcattc ttagctgntt 180  
cccttcctct gnccatatac tggatcacct caacataccc tggtgnggct ctaagggtaa 240  
atcagggata gggccaagga gaaaacaacc aagaactctn tcctgtaata agcaggatcc 300  
agattgagaa agtcnagcga atataagagc aaaagccatt taaaaatcta tataccnnn 359

<210> 3300

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

2872

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<400> 3300  
aacgaaggca cagaccgaat caaggagagn ggcgatanac tagaaagcaa gagaaaacaa 60  
aatccgaggg ngatagggat aagcatgggg ncaagnacat ggatatgagc ataccgctca 120  
caggggaaga ancataaccn tgagatgatc acaactggg 159

<210> 3301  
<211> 105  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>



2873

<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<400> 3301  
tncccttggg aagaaacccc gggaagcaac gaacgaagtc tggnggcccc taagnaantg 60  
gcccccgggg gnccttggga acaaagctaa cgctggggca atggn 105

<210> 3302  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (410)  
<223> n equals a,t,g, or c

<400> 3302  
ccacgctttc gggttaagggt ctctgggaac tgaccttttt aactataaga acacacaaca 60  
gaaagtctcag cggattatgg aggactgatt tcctcatcaa cctgtgggta ttgataaaag 120  
cttcttcagg gtgggtcctg atcacccag ctgtttccat acaactgtgg ttcacttagg 180  
tgtcatgggc atgcacacat tttgtccaag ggaaataaag taggtgaaaa gcagttaga 240  
tactttaatg gatacattgg gcagggttg cccaaaactg ctttncctct tgatcttgag 300  
tgaagctaca acacaagngt cggggaaagt tcagaaggca ggcatttttt acttaagctt 360  
tctaaagggc tttaaattcg naacattctt aaataaagga tataaagggn 410

<210> 3303  
<211> 409  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

2875

<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (492)  
<223> n equals a,t,g, or c

<400> 3304  
ggagccttnc cctggcgggg cccacctct gggaancnc agcgccctgca agattttttc 60  
ctctcgtgac agggagcagc atgcggaggg cccttgcaaca acctgggtct tcaggaagga 120  
cagttttctaa ccagagttct ggtaagcact ggtgacattt cacattggct taagcaataa 180  
ggaaaagcag tcatctcacg tagcaacgtg gcttggggaa gggagtctcc agtttcatgt 240  
attcgagacc tcaagaacaa cggtgaagac ctggattctt ctctgtttt tgcagttcct 300  
tgcccaggtg ttggcccagc tctcttcatg gttccaagaa ggctgcccga ggaaggcttg 360  
tggaacagaag ggagaagcat ctcttctcta tgnctctttt tatctaagaa accaggtttg 420  
accagcatcc ttcccttanc ttcccaggag gaatgcccgg atccccttng ncttncccat 480  
cccttcatgg gntgactaaa cccacta 508

<210> 3305  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>

2876

<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<400> 3305  
ngaaaatcnn ccctantttt tgggggggaaa aaaaaggccc ccgggtttta ccggcctctt 60  
gggcaagggg gtnacccccg ggggtttcccc ggggaaaatt ttcccccggg ggtttcggga 120  
accccccaacg gcccgttccc ggctttcccc gccggaataa caaagtttaa agggaaatggg 180  
gcttggtaaa gtaacccttc ttggcttggt ttggtttggg gggggggggt ttggtgggaa 240  
nccgcttggt gggggaagcg ntccaagccc ttggggtggt nngn 284

<210> 3306  
<211> 241  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
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2877

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tcaggcctcg cggctccgcg ggccgcccac ttgggttggg gcacagcgcg agtctcgcg 120  
acgtggcggg ctgtggtgcc tgtcgttcga gttcgcatag aggggctggg cgggtcacgc 180  
ggggaacctg ccttgagccc cgcgntgnnc acnccggacc atggcggcct tgggcctggn 240  
c 241

<210> 3307  
<211> 261  
<212> DNA  
<213> Homo sapiens

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2878

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tatcgccggg agtggcgggc cgaccagggg gcggccgggc taccgtccgn cattcacgtg 180  
tctctgcgcn cgcgggggcc gnccgagccg gccancatgc cgctgggcct gaagcccacn 240  
tgcagccgta tgcaagacca c 261

<210> 3308  
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<212> DNA

2879

<213> Homo sapiens

<220>

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2880

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2881

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atctcaggta tttttgaatt tatctatgtt gtctttgaat cttttacagg gattctataa 180  
ctgccgtcat gtaagttgnt acagaaggga ggctgttttt gngtcttgta tatttccttn 240  
ctttcagaaa ttacagatgn ttataattag cttcaaacac tgccttaata gcaattggaa 300  
gataactgcc gtcagcccga cgngggcctt ccctttactt caggaggaga atgactacta 360  
atctggaaca aaggctcttac tatagcagtc agatcaccag aagaagngcc gacacttcct 420  
ggcttcatct gaaaatttgg agtcaaggga aaantggaaa gaattgcnaa aataccaann 480  
aantntacc ccatggccat gaaccaaata agaacagata tgcctaaang gataaccacg 540  
acctgngngg aattgggccg ggaacaaang ggaaacattt gggacaactt aaccgngtg 600  
aaa 603

<210> 3309  
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<220>  
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<220>  
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ccctttaag 70

<210> 3310  
<211> 506  
<212> DNA  
<213> Homo sapiens



2882

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<220>  
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<220>  
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<220>  
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2883

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ccgggggaga aggcagggt gcctcgggaa ggcgcacctt ggcccccccg tgtgaaacgc 180  
acacctgcat gaggtccccg cgctccctgc tcccctcgcg tcttccctg ggtgtctccg 240  
tgccaggttt ttagggagtg cccccccacc ccggccccct tctgtgttg tctgtccact 300  
tcagtcctct gggacacagg gttgagtccg agcagcagag tattggtatg tctgtctgtc 360  
ccgtggacct gcccgagggt cccacgtttg tggtacnan caccancccg tcttgcggcg 420  
gaaacccct gtgctcgacc cgcttnccgc tcattcaagg aatgtgtggg naactgcaan 480  
acttgcattn tgggaacggg gaganc 506

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<211> 288

<212> DNA

<213> Homo sapiens

<220>

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2885

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<220>  
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<220>  
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ngccataatg ctaancaagn ngcnactgga nttncttgcn cntaaatcna ctgggcattt 120  
cattggtaca ttntttgaat tnatgattgt ttgtgagata ctgacacatc cgcacnttca 180  
gaacancntg tgcccttgga ttntgtgcac aggaanctag atggncacct gaataggntg 240  
atattattctt gnaatacaga aatgtgattt tgagcccaag aataaaga 288

<210> 3312  
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<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (355)  
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2886

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aatagtaata ataataagac aatgtagtgt ggtgttgacag agtatcattg tgagtgtttt 120  
gttttggttt ctgagatgct tagaaaatgg tgaatgtgta acagtttcca actgaagtga 180  
aatcatattc tgtagcatg gagcagcagc actatcttcc tgtctactct ctaacgggtgt 240  
gtgaatgtat gctaatatct atatatatat attaaatgtt ggatttctct atcaatgatc 300  
taagtgggtt gcagctggaa gtttgtgtgt atgtgtgtgt ttcaggantg aaaantatcc 360  
cacacttaca gtgttatttg taatcntctt acttctctaa cagngatna 409

<210> 3313  
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<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (464)  
<223> n equals a,t,g, or c

<220>  
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<222> (503)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature

2887

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (532)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3313

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ttatgtactt tgaaccacag attctttcat caagtgatct taaaatactt tcttatacac 120
agagcccact tactttttctg tgggactgtc tcattttatga aaaatcattg gagaaatctt 180
taatagaaac cttcagattc agaaatactt gcacaatata attagtaata aaatctcgtg 240
tatatatatg taaataaattt tattctacaa ataaagtatt tatcttcata atagctgatg 300
gctgctagtt actgtatgct agaggacatc tatcaaccta tgcttaaggg acccaggaat 360
ttatattttta accaactccc tagtatgcag acacctcatc ttgtgctttt aggaaccatt 420
gggtaaaact cattggatac tggnttcacc agttacattt ttgnttttat gaacctcact 480
ggggaaaagg ttacatggaa ggnnggtagaa ccccccant gntttttaag tnaagggccg 540
taaaggggga ta 552
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&lt;210&gt; 3314

&lt;211&gt; 523

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (414)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (479)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (482)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2888

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<220>  
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<220>  
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gtaacaggca cccacacac atccccgac gggcgcttca tagtcagtgc tgcagctgac 120  
agcccctggc tgcacgtgca ggagatcaca gtgcggggcg agatccagac cctgtatgac 180  
ctgcaaataa actcgggcat ctcagacttg gccttccagc gctccctcac tgaaagcaat 240  
caatacaaca tctacgcggc tctgcacacg gagccggacc tgctgttcct ggagctgtcc 300  
acggggaagg tgggcatgct gaagaactta aaggagccac ccgcagggcc agctcanccc 360  
tgggggggta cccacagaat catgaggggac agtgggctgt ttggacagta cctnctacac 420  
cagcccgaga gtcactgttc ctcacaaatg ggagacaaaa acacgctgcg gtgtgaggng 480  
tnaagggtata aagggggggg accacantgg tgttggnatng ggt 523

<210> 3315  
<211> 67  
<212> DNA  
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<220>  
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<222> (42)  
<223> n equals a,t,g, or c

<220>  
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<222> (56)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>

2889

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<400> 3315  
ggtgaggacg acgaggagga caccggagtc tgcancctgg anccatttga ccttanntat 60  
tnagatt 67

<210> 3316  
<211> 500  
<212> DNA  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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aggatgattt tttttcccct catcttggtc agagagtgga ttttgtattt tgtatttaac 120  
ttgcattcaa aaaacaggat ctcagttctc ctttcttgta aagtaagaaa atcttattta 180  
tgatatatac agttaactta ccttgccctca acagaagaaa ggtaaataat tacatttttt 240  
tcttttagga aatatcattt gtggcaggcg tcaaccccat tttatttgtc cttattcctg 300  
tggaagcagt atatgttttc ttccctgaatg ctcattagga cttcttaaaa nacatgaaag 360  
taatttggaa gtaagtttat ccaataaagc agtatttcta ccctttttaga tttgataaan 420

## 2890

atttttatta ctaaagaatc tccccagaca ttntcttttt ttntcacac ctnggattta 480  
agtatcttgg attggtacna 500

<210> 3317  
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<212> DNA  
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<222> (42)  
<223> n equals a,t,g, or c

<220>  
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ctgn 64

<210> 3318  
<211> 547  
<212> DNA  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c



2892

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 3319

accaactacc gggccctgng ctctgtccan ggcncagct acggaagccc ggacggtcag 60  
cagcgnaggt cagcgtctat gcgagntctg ggggctctgg ttccc 105

<210> 3320

<211> 132

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

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<222> (117)

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<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

2893

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aattgtnttg ataaacatac tnttataatt gttgcaacac cttgggaaat agctggnnct 120  
atattactgc gt 132

<210> 3321  
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<212> DNA  
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<220>  
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<220>

2894

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<220>  
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gggctgtcgg ctggctgggg ctcatgcagc catccccctt gcagccatcc gggtgacctg 120  
cataggttcc tgcggggtct ccaacaaggc taatgacaca gcgtgggtag tggaggaggg 180  
ttacttcaac agttccctgt cgctggcaga caaggggagc ctgcccgtg gagagcacag 240  
cttcccccttc cagttcctgc ttcttgcac tgcacccacg tcctttgagg gtcctttcng 300  
gaagatcgtg caccaggtga aggcgcgcat ccaaacgcca cngttttcca aggatcacaa 360  
gngcaagcct cngnggtctat atcttgagcc cctttgaacc tnaacagcat tccanacatt 420  
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naagaacnng gcaancgtgg tcccttnaca agcca 515

<210> 3322  
<211> 562  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (518)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (525)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (534)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (558)  
<223> n equals a,t,g, or c

<220>

2895

&lt;221&gt; misc feature

&lt;222&gt; (559)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3322

```
gcccacaccc ggcctaataa ggaatattct gaataacttt atgccaataa actcaacaac 60
ttagatgaaa tggacaaatt ctttagaaga caaaaactac cagtgtcac tcatgaagaa 120
ataggtgagc tgaaaaatcc tctatctatt aaagaaattg aatttttagtt tttaactttc 180
ctataaagaa aacttttagca gagaggggta ggcaccatct ctgctgtttg gtcgactcag 240
ccattccagc ctgcggggctt tggagagtcc aaaagtttca gacaaggag cgtcccccca 300
gcagcacaaac atagtggctt tgccagatca tgaccagact gctgctttaa gcagcctgga 360
tcacttcctt ctactgggc agggactccc agttgggccc ttcagccatg cccactggca 420
catactatgg acagagctct gatctctccc tgggatggag tgccccaggg aggggagggc 480
tgccacctgg gttggatgga tgactcaact gttccaancc tgcangcttt gganaagtcc 540
aagctgatgg ggcagaannt gg                                     562
```

&lt;210&gt; 3323

&lt;211&gt; 302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (285)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (289)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

## 2896

&lt;400&gt; 3323

```
gccacgcgt ccggcctcac tagtggcaag ggcaggagcc actggggaga ggacaagagg 60
ctgagacct gctccccagt ggctccaggc ctactagtg gcaagggcag gatgaggctg 120
caccgctggg aagagtctat ctaagctctt ggcttggagt cccgtgtcgt ctccaccag 180
aggaagttct ccanagttca ctttccctt ttccttgagt tgtgctgaat gccccacccc 240
agctctcttt cccttctggg tgtctttgct ggganggggc tgnngtgtna gccctaccgg 300
nt 302
```

&lt;210&gt; 3324

&lt;211&gt; 408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (143)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (174)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (245)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (248)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (258)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (259)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (261)

2897

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

2898

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3324

```
gccacgcgt cggcaaaat tcaatgtgca atttggggaa agggttctct tgtgtgtgtc 60
tccatttag aggcagatgg ggccagagtg ttctagagat ccagactcta gagctccgat 120
cccatccacc cctcagctgt ggncacacac caacgcggag cagccctcac cctncccatg 180
caattaggac gaggtgagcg cagacgtcac tctaagctca aacttttcgc agtctcttcc 240
cntgnggnaa aaccatannc ntcnagccca aacangggtn gaaaggccaa atctnnanaa 300
aggttgacgn cgagagggaa ggctccctct gcgcctgaan gccccangt cctcggnttg 360
gggggaactc ttcagcacan ctttctctgg acaccgaag gaagaatc 408
```

&lt;210&gt; 3325

&lt;211&gt; 658

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (501)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3325

```
gcacagtcc aggttcaccc ggctgagcgc gctgcccttg cggaggccgc ggccctcct 60
ggtgagatcc cttcacgtcc cctggcctcc agtgtcatct gctctgcgtg atatctccag 120
ggggacctct ctgctgggct ccaggccgca tggctgtggg tgaccagcat catgtccac 180
cgggtccctt gcagtcccag tgcacctgcc tgcctatcca gggacctgtc ctcactgcct 240
gctgcctgca ctgtgtggaa ggacagaggc taaacgacga agcctcgagc tctgggtctca 300
tggaaatggc agcctgccca ccaccacgc ttgccagcc tttcttcacg cattaaaacg 360
tggagagtgg aatcttcttg gcccaggtaa tgcgcctttg ctccgacatt cccttcaacta 420
ctcactggcg agctcagttg gaaattcact cccaatagga gttccacggc agacacatcg 480
tgagtcatgg cagaactttg ncttttaatt gcagaatgtt aaagaaagag tcactcaggt 540
agcaaagatt ggcttttcag gggcgatttt atggagctat taactcagag acaccattac 600
ttaaatgtaa tttttattat tacaattaaa gactgatttt gattttatga aaaaaaaa 658
```

&lt;210&gt; 3326

&lt;211&gt; 118

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

2899

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<400> 3326

tggaactgact atggcactct gaggctggcc tgcacgggct canncatga ngangagaac 60  
cgatcccttg ccttgcccct ccctgtggca gggctnactg cctgcccctcc tgcttgca 118

<210> 3327

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c



## 2900

<400> 3327  
cacttaccat cttgcctttc tccttgctct gatgaatttg aactttcngc ctaatgtgga 60  
cgctctggnt nagcttcann aggaaccatg aaccacttac tgg 103

<210> 3328  
<211> 66  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<400> 3328  
gctagttcta gatcgcgagc ggccnggatt tcattggggt tnttttacia tantancttt 60  
tgggggt 66

<210> 3329  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)

## 2901

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<400> 3329

```
gcggaactngt gggcccagat gctgaggggtc cccatggaca atttgtttca gagaagagag 60
ttgaacagtg gtgagctggg ctcacagctc catccatggg cccattttg taccttgtcc 120
tgagttggtc caaagggcat ttacaatgtc ataaatatcc ttatataaga aaaaaaatga 180
tctcttatca attagcactc actaatgtac tactaattga gcaacctacg cactcagttg 240
actacgtaaa tctgtcaggt cttttgtgat ttcctctgat gcaggagagg aaaaattgta 300
attgatgaaa ataatgaatg aaaatcaacn gatgaataaa tggttcttta tangtgaaaa 360
ananna 366
```

<210> 3330

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

## 2902

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>

2903

<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2904

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3330

```
ggccacgcgt gcgntatatt cgggatatca cattngaatt atttttagatt agaacaagtn 60
gcaacgcaat taancacgga attgcatcaa aganatgnaa catggatgng aagagatttg 120
gccagtgtgc ntgngncaca gcaatnncna ngntggatan acttaagcta atgctaactc 180
aanagactat gcnactcatg acagcgaant aattgagttt aaatcgcata aganctgaaa 240
ttcacngaaa gatggaagat cttccttaac aaganagaaa atataaatgt tgnagatgaa 300
ttanaaatgc acttttatga aattcagtta cnaactatat gaagttaaan t 351
```

&lt;210&gt; 3331

&lt;211&gt; 443

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (70)

&lt;223&gt; n equals a,t,g, or c

2905

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>

2906

<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (431)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

<400> 3331  
gntcnttttn tcttataaac cttttgccta ttaatgctgt anancctact tcttcacagc 60  
aaatacccan cagagaaaca tntgaagcca ataaagagag aagaaaaatg acatcaaagt 120  
caagtgaatc aaatatatat tcacctttaa cctnttttat cactgctgat tcagaactcc 180  
atgacattat taaagatttg gaggattgnt tgatggtggg tctacacact tgtggngatc 240  
tnggntccaa atactttgcg aatatttacc tccaactctg aaatcaaggg agtttgcagt 300  
gtgggttgnt gctaccacct cttatctgan gaatttgaaa accagcattg agaacgtact 360  
cnggaaaagt ggggatttcc aatgggccac tattttaaagg aagagagatg gtgctgnggn 420  
cgtaatgcc aatgtaanc atg 443

<210> 3332  
<211> 376  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2907

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (369)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (370)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3332

```
gattaaaagt gctcttctca tagcacgagg ggaatagctg ggcttctgtc tcagaacggt 60
caccgtggca ttgccttaa ccacgccatg cccctgacct ttgtatttgc aagtcttgag 120
gataattaaa atggggaagt atttttgtgc ctatttggcc ctaggctgaa gagtttcatt 180
ctgtcctgta gtctgaggct aacctaaaca cattaactta ngaaccgacc tgacttctga 240
ccagggacaa gaccantgt gggagggttat ttgggattac accagtctgc ttgggtctgg 300
gtgtaagcat tgttcgngct ctgaatgtgg nttcacctg aatcacccan catacaccgg 360
tctcattgnn tgctg                                     376
```

&lt;210&gt; 3333

&lt;211&gt; 61

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3333

```
tattattttg ctgactgtgg nttcatnaac acantaaaaa tatagcttgg aaaaaaaaaa 60
a                                                         61
```

&lt;210&gt; 3334

&lt;211&gt; 491

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



2908

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>

## 2909

<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2910

&lt;222&gt; (323)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (337)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (406)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (445)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (446)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (491)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3334

```

gaacatttct tccctttaag taaatntttt aaaatgngtt tgcattgggta tgngtgtgta 60
tgattnctgt gtccttcatt gngtcngaatt gntgacanct gagttgtngn cctgagggng 120
tagtatagng tgnncttaaa catttnaggn attnttgaat ttatctatgt tgnctttgaa 180
tcttttacag ggattctata antgccgtca tgtaatctgt tacagaaggg aggctgtggt 240
ntgtgtcttg tatatttctt ttctttcaga aattacagat gtttataatt agcttcaaac 300
actgccttaa tagcaattgg aanataactg ccgtcanncg acgtgggtctt tccctttact 360
tcatgaggag aatgactact aatctggaag aaaggtctta ctatancact caggatcacc 420
agagtatgtg ccgaacactt tctgnnttaa tctgaaaatn tgagtcattg aaaatggaag 480
atttgcaaaa n 491

```

&lt;210&gt; 3335

&lt;211&gt; 157

## 2911

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<400> 3335  
ggtagccatg acatagcttg agctatagcc ttttaattcct tactttggct atgggtggag 60  
ggtgagtttg aagaggttct gattttcttg taacctggga aagccatgac cttgngcccg 120  
attctttnan atngcttttg gtaataaata ttggngg 157

<210> 3336  
<211> 248  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)

## 2912

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<400> 3336

```
gggacggtgg accctgcgcc tgggaccgcg tccgtcctgc tcgccgcgca tggccgggaa 60
cgcgagagccg cgcgccgccg gagccgcatg ccccaggac cggaggtcct gcagcggccg 120
ggccggggggc gaccgcgtct gggaggacgg agaacatccg gcgaagaagc tcaagagcgg 180
tggcgactag gagcggcgcg agaagccgcc nnagcggaag annngngctgc tcatggccta 240
ttcgggca                                     248
```

<210> 3337

<211> 63

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 3337

```
gtgacatggn nacacaactg gacacgccag gaanntggca gttcccagac ccancaatga 60
```

2913

tag

63

&lt;210&gt; 3338

&lt;211&gt; 377

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (162)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (180)

&lt;223&gt; n equals a,t,g, or c

2914

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (371)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<400> 3338  
ancgcncctgg gaaacgccct taggataagt ttacgctnna acgccctgca ggtaccggtc 60  
cggaattccc gggctcgaccc acgcgtncga ggtagatgg gctctgncca cactagncat 120  
tacaacatca cggaaagatg aagttagaga cttgggtatta anctttggta tgccacttgn 180  
attagattca caatcttgta ggctgggcaa gatgcttanc ctgtcatggc ctgcntcctg 240

## 2915

tncatttcaa tgatgattat tatntacttt ataatatcat aaagactaaa caggctcatg 300  
catganatat ttgggnagag gagnetggag tatgtaacac ttgacattac tgggtactatt 360  
caaaaggatc nctgntt 377

<210> 3339

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature



## 2916

<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (255)  
<223> n equals a,t,g, or c

<400> 3339  
cggggaataact cttnggtnat ttcgcgnagg taccgcgtcc ggaattcccg ggtcgaccca 60  
cgcgnccgac ccttanggcc ttttacgctt aattcctggt gaaggntggg anangaatgg 120  
canctgaagg gcggtntnaa aatttccctg ggggggcttc tcactggtct ctactcatnc 180  
agtaagggga tctgtgacca tgtgtggggt gggacaggag agacacacgg ggtcctggaa 240  
gcncntngng cacangatgg gagggcaca 269

<210> 3340  
<211> 159  
<212> DNA  
<213> Homo sapiens

<220>

2917

<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<400> 3340  
ttggtatgca acaaatanga aactgataac ctggctnann ctacaattca atggaaccac 60  
tattttgttc ccctggtggn tactaacact tccaaaccag cagactcaca gttgccagga 120  
caggaagcaa aaagnctgna agccggttat taggngnaa 159

<210> 3341  
<211> 152

2918

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (132)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (141)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (142)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (152)

2919

<223> n equals a,t,g, or c

<400> 3341

```
ngnccgnagn gattggcaaa ctcccagcgg ttttaagggtg taaaagggcc ccgcaggcca 60
ccagggtccg gaattcccgg gtcgaccac gcgtccggat gtgccaggga gtgggtgtgg 120
agaccgggac angggcgcag nnanactcac an 152
```

<210> 3342

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<400> 3342

```
gataaacaac tcagttaacg tttacatagt aaataattgc attgccttgg gctggaatag 60
ggacgccaga aggtatagga ccatgtggaa ttcagaaaag ggagccctga agaatgagat 120
tttattgttc ttaccaggag agtccagggtg ctagagttct ctcccttgtaa gtgactaacc 180
ttctcccttt tggtagacaa tcctcagatg aacggagatg attcattagg ccattctagc 240
ttaatggatg catcactgtg caaccacgca aatgcctcat ttctgattca ctcatttaat 300
atttattgag gagtgctggg tactaggcca ttagaagaac aaacaacaac aacntagggc 360
tggaccttgc acttgcagag tcacaggcta nanaggcaca cnagntaata tagaaca 417
```

<210> 3343

<211> 287

<212> DNA

<213> Homo sapiens

## 2920

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>

## 2921

<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<400> 3343  
gggcctgntc tgncgagang agagcagatg gaatgagttg gtgacccctc ttaatctgta 60  
gcctcagggg aacacggcta cccaatgcc aagatggtaaa ccntcaactc gaagagnaag 120  
atcaggacgt atgcttaagg tagnaagggtg aggagnagnt ggtaggcagt atgtttgcc 180  
gtgacattga aggtgagaga aacaaaaatt acaaatgaat gatattttct caatnctgng 240  
gaagaagtgn tacaggcagg cctttgntct tagagctncc aagatgg 287

<210> 3344  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

## 2922

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<400> 3344  
ngcaacnaat tgacttagaa ggatacaaaa taaataatan agcagagtgg tgtctgcaag 60  
tcttcacagt agactcagag cttaggtgtg agggaaatgag acgacacaga tgggtgtgga 120  
agccacctgc ctaggagccc cattccccca ggaacacatc cagtttcaag aatgtcgag 180  
tccagatgtg ntgtactaat cacaggtcat aagcagtgtt gcctgtaata tagctgacat 240  
tcgacaagat ttctaaggaa acagttntgg aaagttaacc tgtggatgtt aagtcctgct 300  
tcattgntgg ncacttangn tg 322

<210> 3345  
<211> 102  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)

## 2923

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3345

ggcaaagatg acngcagcat actgngaacc ctgcgcccaa cngctgacag agaagagggt 60  
gaatgtggag ggngggagga aggtggaagg ngagctgggg gg 102

<210> 3346

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c



## 2924

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (115)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (147)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3346

gacatncacg catggaagca tcaactgctat atannaggct caccatgnct caacngaatt 60  
aaatgtttat accgtagatc ctgagatcag caccggacac tgnanccaaa tnttntagga 120  
ggcacatcta cgtactagag atttgcnttc catagg 156

&lt;210&gt; 3347

&lt;211&gt; 280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3347

cgctccggtga aacctttgct ttctggccta attactgagt taattagggc ctagaccaca 60  
gtaacctcca ttcccaccca gagtctctga ttcaactctg atttgaccct agcttgtcac 120  
cctgacaccg actccacagc ctttggctct tggcactctg atcccgaccc ttggccctct 180  
tccactggga agtagcaatg ggtggaccgc tgggctgtgg tctgggtggc ctatagctgt 240  
ggcctgaccg cacactgcaa caactttcaa tgcccccaa 280

&lt;210&gt; 3348

&lt;211&gt; 100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

## 2925

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3348

tgtnccctggg caaatcccca tngggaaagc cgggggaagg gaanccatct ttccccccgt 60  
ggggggnncga gccaaagttg ggtggaaaaa accccattgg 100

&lt;210&gt; 3349

&lt;211&gt; 119

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (119)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3349

## 2926

gaacctgtan cttgntcttg attgtctgga tgtcctgaan cctttgggac atnagaanat 60  
aattgagcaa tgaactggaa ggcttaggca ttcgcttgaa caggaaaccc cccaacctn 119

<210> 3350

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (424)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

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<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (601)

2927

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3350

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gaaaaaatac tgtatgatat agaaatgcc aacccccctac aattatttgg gcttttcagt 60
gaaaattttc aatgagtcac atcattttct tccaattttt tcatacagga aaacatgggt 120
atatattata aatgcctcta ccttagtctc tctggtcttt ggataatctt gcatattgct 180
actgaaattt gggagttcct cctccataca gcagagtana tacagagtgc tgccaggagc 240
tgccaccctg agcacagaag gctactctgc agcagccttg ggactgggcc acatggncat 300
agaagcagcc anaaaggaag aaagggtggg gtgaagccaa aattcaagcc aggcattttc 360
aacttcagcc cttagctagt gaggtcattt tccatgtaat ctctggttcc actagattca 420
atgnctctta aatggtgaac acacaaaatc tgaacccatc ccatgaccat ccagaccaac 480
acaatgatgc ttgcattcct gggcattggc attggatcag gaantagtgn ggtccanaa 540
ttaagcctgg gctttgaggt accctttgac cccactttca tgagggcttg gacttanaga 600
ng 602
```

&lt;210&gt; 3351

&lt;211&gt; 433

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2928

<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
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<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
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<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2929

&lt;222&gt; (305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (392)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (401)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (403)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (406)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3351

```

ngggagtnag cctgtttccn tccatgggtg ggaagacttc agcacaaang aaagactaat 60
tcttgncagg catttttgaa aaggctgatt atgtgtatca aggtacagca tcgnagggtt 120
cccctaaact tgccctgttt ttgttttttt aggtttgcta tccccttact gancggtctc 180
tactangtgg ctgtgattaa atgtcccaag caaggatagg gaaggggaat ggntgagcct 240
ctggagatca ttgtaaccaa tnntgncana cctgtttggn gcagtgnnga gcaaaccctag 300
ataangacct gtttggggca tgacnggagc anaatctcct ttaacaacca agcagttcct 360
cattcacatc aaccagagnc gaggctgtga tnacttagga ngntancaat cctaataagc 420
cttcagtgcc att 433

```

&lt;210&gt; 3352

&lt;211&gt; 59

&lt;212&gt; DNA

## 2930

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 3352

gagataatac ttgtctcctg aaatctgtgg ccataaanna ggcttgnata tggncanag 59

<210> 3353

<211> 54

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

## 2931

<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<400> 3353  
gcnnatctnt annnttttaaa tcaaatactg aataaagaat gaagatcttc ctat 54

<210> 3354  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (472)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (488)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (496)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (504)  
<223> n equals a,t,g, or c

<400> 3354  
gctcaagggtt gtgcctggct acgctcacac tggtgggcaa aagcacagac agatatgctc 60  
cattttccaag catgtgggag ctgagttcca tctctttcag gttaacatat gtgtttctat 120  
gcctgactct caaccttgga cctgtacctc tgcaatcact tggccctgga tggatgaggg 180  
aggggtggcat gtgaatagaa actggaccag ggagaccacc aaggaatgat gtgccctcga 240  
gcaagaggaa tttaagttta tgtcattata aagctctgaa gatatttcaa tgattatgat 300  
ggacaaaatg gagctcttaa ataatcatac agggaggcaa gtgtgatctt actgaagaat 360  
gaagagtcta atgtagtggg tccatgttgt tttgggagtt gcagtctggg ttctcaggga 420  
tcttcactac caccctcac cttgccttga cttgttacac tgattctgct gntgaggact 480



## 2932

aaaaggtngg aaagcnga atnntattca aatgcata

518

&lt;210&gt; 3355

&lt;211&gt; 494

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (234)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (251)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (316)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (345)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (372)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (394)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (426)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (452)

&lt;223&gt; n equals a,t,g, or c

## 2933

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<400> 3355  
gtacttctct ggttttgggg ttacttgtaa ataagtctac gtatataaca tgtctcgtgg 60  
atthttgcatg ctacactaat ctctgtttaa tctatcccct ctttattcag agcatgctgt 120  
caaggctcctt taattccaat ttactactg taagcagttt tcaactgtggc agctctaggg 180  
atctgcatgg cagccagggc agtcttgcc tgaagtgttc agacagaaga ggtncctggg 240  
ggcacatttt ncgagtgagt acctacacta gaccaatact tttagcttgt agaagagaaa 300  
accccaaatt ttaagngttt ttaatgnttc caggaaaaaa aatgnttact ctgggggttag 360  
aaaccttgat tncctctgag ttcttccatg gctnagttct aaatctttct tcagagctga 420  
taaattncatt atctcctgag tttcttttgg tnataaacna atgatgtant cagcccttgg 480  
tttatgcaaa aaan 494

<210> 3356  
<211> 477  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

2934

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
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<222> (187)  
<223> n equals a,t,g, or c

2935

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
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<222> (273)  
<223> n equals a,t,g, or c

<220>

2936

<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2937

&lt;222&gt; (466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3356

```
gncaantata agtnattaca tgtnttttatt tgnngtgtgat taaaagcata aatgttcaat 60
gtcancattg aaaatatatc acanttttgt aacctttatc tggagcattt cttcattnac 120
ttatatatca ngaatattaa aaaaaaaatg gactggacca ntcaatgcca ntganccctg 180
cntttgnngc ttaccata cttgcaangg tgatgctgtg aangctgaan actgggcang 240
aaattggaan ancttntaaa gaacattttt tnnacanca aacctggtnt ctnaaaattn 300
ctatnttntt ctgaaaagtg cccagtntct nggaacactt aaaataaatt gtcactgaaa 360
taaaccttg accttcagaa aatgganaac ctgaggttat cttcaaaaga cagaattgct 420
aaatttttca actaaaatct tgaacactat tacnactagg aggtgntcct ttgnntg 477
```

&lt;210&gt; 3357

&lt;211&gt; 255

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (223)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (248)

2938

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<400> 3357

```
gtctataccc attttgggta tagaagataa aactattggn atttcgtttc ttttctgtac 60
ccaaaatgga ggttaaaagt tacactaaaa ataacacgat tgcaccaaag aaagcgtccc 120
atcgtatcct gtcagacacg tcggacgagg aggacgcgag tgtcaccgtg gggacaggag 180
agaagctgag actnttggca cataccgata ttgcctggta gtnaagacac canagccttc 240
taatgccnan cagtt                                     255
```

<210> 3358

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<400> 3358

```
gaatatccct ggccagantg atgccttgct gaagggttacg ctgtcntttg ggagagcgat 60
nctcntgcct cagactnttg agtatttggg acaacaggca                               100
```

<210> 3359

<211> 94

<212> DNA

2939

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (80)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3359

gctagttcta gatcgcgagc agccacccac tgggagtcctt gtttttattt ataataaaat 60  
tggtggggac acctcaaaan agnananntg aaaa 94

&lt;210&gt; 3360

&lt;211&gt; 274

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (228)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (247)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (250)

&lt;223&gt; n equals a,t,g, or c



## 2940

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (264)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3360

```
gcacttgcag aagatttcag ccccgggccac gatgtttgct gtcagcggat ggaaaagtct 60
tcctcaattt atggttcata ccccatctct ctgaagtgcg ggttatgttc aaaactctgc 120
cagaaaaggc agctttttaa gccttaaagc gaactctaca gctgatatgc cctctgcatg 180
atatcgtggc ctaccttgct agttttgcta agcttggcaa ttgtccanca tgttttgaat 240
ttctcgnagn accnaccctt tganaggtga ctgg                               274
```

&lt;210&gt; 3361

&lt;211&gt; 109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (100)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

## 2941

<400> 3361

aatgtccgna cacggtcccc aattgccggg tcgaccacg cgtccgtgtc accattgctt 60  
ttgacantnt tcaacactga gcaaaactcc ggggcanaan tggggnaa 109

<210> 3362

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

2942

<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<400> 3362  
cnaacgncatg gccatggcct ganaactctt ccagtatatg tngcagaagg agcgantgga 60  
accgctccac ctggcaactg ccgaccctca cagaagctgc tgaaattcnt gaataagcac 120  
ttnatctgga gatcacagtc cnannggtga acaaatt 157

<210> 3363  
<211> 66  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<400> 3363  
gctcttacgg tgcaatcctg ccactatagc ggcaggattg caccntaaga ggnnangttc 60  
taaata 66

<210> 3364  
<211> 88  
<212> DNA

2943

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (80)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3364

cggcaagaat ggcagaactt accaaacaat taaaagagaa attccttttg aacccttgaa 60  
nttattgaaa ccggaacntn acgnattt 88

&lt;210&gt; 3365

&lt;211&gt; 522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (345)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

2944

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
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<222> (378)  
<223> n equals a,t,g, or c

<220>  
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<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (389)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (445)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (452)  
<223> n equals a,t,g, or c

<220>

## 2945

<221> misc feature  
<222> (513)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (515)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (517)  
<223> n equals a,t,g, or c

<400> 3365  
gccgcacatg agccatgaga gcagctgcaa ggggcagctg aataattatc tggaggtaac 60  
tggtttgat tcagactctg ggaacaaagt ccatagactg gagtccttg gttgaggggt 120  
gtctgttatt gctcaatcca gggtcagaag aggactgggt agtcattgt gtgtctttta 180  
caatggtaac gacttttcct tttctcacga gtcttctgag ttagagggaa tgacaaaaac 240  
agccaaagga ttaaagggtc aatagctgag ctggaaatac tangatatgt ggctggacta 300  
aaccaccatg aaaagcaaaa agaaagtggg agatgaacta ngtangaatn nananatang 360  
gagggaccac tgattcanaa gngacttanc aacgatnata acttgcaatt atataccttt 420  
taaaataact ctcatactga tctgncactg angaatactt cctacatggg acctgtgctt 480  
aaaaacataa tgtggatttt aggccacac tgnncngga at 522

<210> 3366  
<211> 536  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (444)  
<223> n equals a,t,g, or c

<220>

## 2946

<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<400> 3366  
gagataactg ccaaaaaatca ccagaaaaat acttttcaat ttatgagcag attattacaa 60  
gagcaattta ccaagacctt ccaatgaaca atgaaaacta tgaactgtta ttctaaagct 120  
aatagaaaga tgtggttttc atgtccattt ccatcatctg cacaatgtta cctttaaaaa 180  
tattttcttaa agtggttaagt ttatgggagc aaaaaaatat tgaaaaatta tcagaaagtt 240  
cacaaaaacc ttacaaactc acatgtcatc agattaaatg ttctcagaga gcctgcagtt 300  
tttcacactc cctgcaacct catggtcacg gctccacagc aagataaatg ggtgacaaga 360  
caatcctctt ctantttggt tggcaaatgt caatatcagc atactttcaa gnctttctat 420  
gtaaatctgc aaatanagcc tggnccttga tttaacttat ttgagtgtg nataagactc 480  
ttagaatgac nggttcttct ggtttgacan aagnaaggcc tttatctatg tctcaa 536

<210> 3367  
<211> 52  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>

2947

<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<400> 3367  
gannacgcgt gcntagacag cagagcacac aagcttggtan gacangagcc at 52

<210> 3368  
<211> 68  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<400> 3368  
anatataata aatgaganat aataagagat antatatata aataagtata aaantaggta 60  
aaaatatg 68

<210> 3369  
<211> 100  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c



2948

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3369  
ccgngagatc gggacgcgca acnggccggt cccgggttttg ttaaatnaca ttgtattggc 60  
agcaacagtn taacaagagg agtaagcaag ngtggtaaac 100

<210> 3370  
<211> 84  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2949

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3370

ggtgggctgc agtgatgact ttggctttnt ttccaaaaat gacggnagcc atactgtgat 60  
ccctgncccc aantgctgca cana 84

&lt;210&gt; 3371

&lt;211&gt; 92

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (89)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3371

ggtgatttaa cagtgtggga tgataaaatg aggtgtctgc atagngaaaa agcacatgat 60  
cttgaatta cctgctgnga tttttnttna na 92

&lt;210&gt; 3372

&lt;211&gt; 93

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

2950

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<400> 3372  
gcgagagtaa ggaaataaag ggaattgcct ntggctagag agtngggttag gtgttaatac 60  
ctgntagaga tgtaacggat atnacctccn ttt 93

<210> 3373  
<211> 87  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2951

<222> (82)

<223> n equals a,t,g, or c

<400> 3373

gcacttgcag aagatttcag ccccggccac gatgtttgnt gtcagaggat ggaaaagtnt 60  
tnntaaattt atggttcata cncatt 87

<210> 3374

<211> 122

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<400> 3374

gaggtacacg gcanctngag aggaatgcnc cnggagaaaa gaccaacgca ctgaaaagaa 60  
gccgacttag nagttcaa at acagatgaca ccagctgcc nagcgaaaan gccaaaggaac 120  
aa 122

## 2952

<210> 3375

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<400> 3375

agcgaatcna gtacctccaa ganggaagac tntctgngag ttctactccc ataagtcaga 60  
tgccctcaac atgatcggtg ttgtgcgacc tgcaagtatg ag 102

<210> 3376

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

## 2953

<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<400> 3376  
gcntcanaat aagtaaagtt taacantgat tcancanttgc tcattatcaa agaataaaaag 60  
actcaagaat atgcaatact ggggagactg ctgagtcact gtggccattt ttagataaac 120  
cttttcctgt ttataataac acatgctgat tgtaggaaac tagaaaatac atgaaagtgc 180  
agagaaaaga ctaaaagtca tctatacttc aggtcgtaga aataaccact ctgaacagca 240  
cacttctttt tacactattg ttttactctg ttgggattac atanatatat atgtntgtat 300  
nccactttgt gaacatnatt ctatgtgaac tanaaatgg 339

<210> 3377  
<211> 67  
<212> DNA  
<213> Homo sapiens

## 2954

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<400> 3377  
gttgacgcgt gggtagttct agatcgcgag cggncgccct tttttttttn tcccnnttcc 60  
cccccan 67

<210> 3378  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>

2955

<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<400> 3378  
gcccgtttcc cggncaatTT ttccccTTT ttccccnc aattaaagnc ccaatttcca 60  
aaaaaaaaact tgggggaacc caaaaacttg ggggccTTT cttttccctt tttttccccc 120  
cttggggggg aacccaaaaa aatttttaaa gggggggccc ctttnaaagt tcccctttta 180  
accgggncc atttgccctt tgggccctta atttcttggg ncttctttcc tttcttttnc 240  
ccccttgggn cctgggntct tggctcttct gaagcttctt gg 282

<210> 3379  
<211> 90  
<212> DNA  
<213> Homo sapiens



2956

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<400> 3379  
gatgagagct gccataagag ggatccctga gcagtgagac tcaggatgga atnattggan 60  
nnaattgcct cctactttgc angagggcaa 90

<210> 3380  
<211> 60  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2957

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3380

gtngacgcgt gggcgcgcg acagagctct ggngcgccgc tcccagncac agccttncgc 60

&lt;210&gt; 3381

&lt;211&gt; 208

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (157)

&lt;223&gt; n equals a,t,g, or c

2958

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<400> 3381  
gcttgaaatn agtgagagca gactnaccac acctngntgg tggancntg tgttccgtn 60  
gcctctaggt ggcagtcaca gcatttataa gtcctgtcat attcttaact gagattttga 120  
gtttgagccc tgggaacatt ggagactacc aaaactncct agttntggcc tnttncttga 180  
aaattganaa agggagaagac tgaaacat 208

<210> 3382  
<211> 94  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

2959

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3382

cacgcntncg taaaaaatga aggggataat atatgataaa tnatgntctg atatcctcct 60  
acagtagttt aaattgacag aaaaatttga atgn 94

&lt;210&gt; 3383

&lt;211&gt; 111

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3383

gngaggtata gggaaagctg ggacgcctgg aggggaacggg ccggaatncc cgggnggganc 60  
cangtgtgctg gggtttgagt tatatggaga aaggagagat attaagnata g 111

&lt;210&gt; 3384

&lt;211&gt; 100

&lt;212&gt; DNA

## 2960

<213> Homo sapiens

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<400> 3384

gcactgggag aagaacctct cataccctcg gtgctgcagt ggcccagctc actcggccca 60  
nacaccatgt gtgannagga tnaccatcgn gtcgtgtgt 100

<210> 3385

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

## 2961

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (338)  
<223> n equals a,t,g, or c

<400> 3385  
ggactgacaa cactccacac ntaacaaccc aacagaatga aagacaggtc ctttgctagg 60  
tatactgttt acctcagtct ccactatccc attacacaca aggtctagca ttcaataaaa 120  
aattaggata cataccaaaa agcaaggcaa ataatgactc cttatcaaga gataaagtag 180  
tcaacagaaa cagaccaagg agtaatgcac ccagatgtta gaacccatca aacagggact 240  
ttaaccaagg tgagcattat aaaagatata gttgaaaagg tggacagata ggaaacttca 300  
gccaaacaat gaaaactata naananaaca tanatgcnga aaaaaattg 349

<210> 3386  
<211> 343  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)

2962

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 3386

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gcggacgcgt gggctgacag tgtcttacac aatgatttat acacataggt acaaagtaaa 60
taagacacat tgtcaagctt tcttttagatg taagtatttt caaaattatt tttaaaatga 120
ctttcaaagg ctttaaacad agactatcaa aatcattgac attttctgat acatttctaa 180
gttcaaagtt atttggggag tatctttttt ttaaaaaaac agacagatga ngcaaccata 240
tattttatat cttacattac cacctacata gatcttttga gcattatatt aaattatnct 300
antatatggg aggctactga ntggaatcat ttgnaaangg cat 343
```

<210> 3387

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

## 2963

<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<400> 3387  
ggtagatatt aaaaattatt ttttctaaaa ttaatgttat actaaatca tagtttgaat 60  
tgctgacata ttaattgtgg attaaataat ctatatctta cagactgaat catattcatg 120  
ttgttgatgt cctttanaac aganaatggg taatgtgtan attaactata nagacattac 180  
cagtgtacat aaaagctatt aaaaatctta atattgtaat ttancactgt attccctnta 240  
cctan 245

<210> 3388  
<211> 77  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<400> 3388  
gcctangcgt tcgctgcgaa gctgaggatg agtgatgggg tggaggcagt aacaggngcg 60  
gcganaggag aagtgat 77

<210> 3389  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>



2964

<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<400> 3389  
ggcaatatct gttgcagctc accctttttac atagtcccca gattattttg actgatggaa 60  
ttaacccagg gaacaacaat gggggggtca gtcactct gtgtcactct gggaactgtg 120  
caaccaagaa taaactagga ttttggtttg gcatagcagg tgaggaaaca caggctgtgg 180  
tctcttgcaa aagtctgtct gaaacttntc tnactntant cctattctca ttanact 237

<210> 3390  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<400> 3390

## 2965

gaataaacat ttgtgtacaa aatgaaanan ntacaanata aagaatataa aaanatgaaa 60  
aaa 63

<210> 3391

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (141)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<400> 3391

gacttcngta agctcacctg gaaccntacg actcattana gggaaanctg gtacgcctgc 60  
agggtaccggt ccggaattcc cgggtcganc cagcgcgtccg aagatattcc tttttttgtc 120

## 2966

ctagagaact tattttcctg ngaaaatgcc taccacaaag aagacattga tgttcttatac 180  
aagctttttc accagccttg ggtccttcat tgtaatttgc tctattcttg ggacacaagc 240  
atggatcacc agtacaattg ctgntagaga ctctgcttca aangggagca ttttcatcac 300  
ttacggactt tttcgtgggg agagtagtga agaattgagt cacggacttg cagaaccaa 360  
gaaaaagatt gcagtttttag agatactgaa taattcttcc caaaaaactc tgcattcggt 420  
gactatcctg acctg 435

<210> 3392

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (217)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

2967

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (411)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature.  
<222> (417)  
<223> n equals a,t,g, or c

<400> 3392  
cttatatggg ancctctacg actcattata gggaaanctg gtacgcctgc aggtacacgg 60  
tccggaattc ccgggtcgan ccacgcgtcc gaacgctgat gtcntgcaga aattatatct 120  
gagtgcattt ggctggacta gctatttccc tttgtcactt gatgatgctg caagggaatt 180  
tctcagtttg ttctgctcca ggagaacttc ttgtcancat gggcaactct gaaagccttc 240  
tctgattagc ctcccaagtt ttctggntnt antaaaattg gaagcagtat atatgtngct 300  
aaatttcaat antgtgcact gncgtagtac atctactttt aaggacttgg taccttnnat 360  
ttaatatatt angtaaaacc atgtaaaact ggcatttttt ataagttaaa nattgtngac 420  
ta 422

2968

<210> 3393  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>

2969

&lt;221&gt; misc feature

&lt;222&gt; (345)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (372)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3393

```
nacgactcnt tatngggaaa nctggtacgc ctgcaggtac cgggccggaa ttccccgggtc 60
ganccacgcg tccgcccacg cgtccgcacg gcgtccaggg cgaccagccg cgggccgcag 120
ggcatggacc ttcaggccgc cggggcccag gcgcangggg ccgcggagcc gnctcggggc 180
ccgcgcgtgc ctacgcgcgcg gggggcgccc cccagcccgg aggctggctt tgctacagct 240
gaccactccg gtcaggagag agagactgag aaggctatgg atcgactagc ccgnggaaca 300
cagagcattc ctaatgacag tcengcccgg ggtgagggca cccantctga agaggaaggc 360
tttgccatgg angaatgagg actctgatgg agaactgaat acctga 406
```

&lt;210&gt; 3394

&lt;211&gt; 74

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3394

```
gcaaaaatct attgtggtat gcacttgatt aacttattca tgtgaaagtt tncncnaata 60
nataatanga tgat 74
```

## 2970

<210> 3395

<211> 66

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<400> 3395

gcggacgcgt gggcagactt ccagaatgag gtctgtgctg gcnccttncct tcncacacga 60  
ncntag 66

<210> 3396

<211> 68

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

## 2971

<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<400> 3396  
gccacgcgt ccgngagcgg ccgccctttt ttnntgtttt tgntggaaat atatagntgc 60  
actgagtg 68

<210> 3397  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (403)



## 2972

<223> n equals a,t,g, or c

<400> 3397

```
gaagccaaca aggaagaagg gggagaaatg gatttgggca gccagacagc actgtctgct 60
ttaccgcgct acctccatgt atgaattggt tggttcaaag ggtgctgcac aggattcctc 120
agggctacac gagttaaaga caaagattca aggaccctgg aagagtctct ctgtcaaggc 180
agtgctggca tctgcagcaa gatagagctc cctgcagggt gtccctgggtg aaaactgcag 240
acaagtgctc tgaggtgctg ctgcagtngg ctctcacca gaccagttct gcagcgtggt 300
ttgagtgttg ttcttggtg caaacctgct tctccagccc gctactgatt ctggaagctg 360
ccaaatatcc ttttaatgaa ttccttttct gctaanaaan nnn 403
```

<210> 3398

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3398

```
acacaggggg gggaaaaaag gncaacgggg ttaaacagnc cnnctggcc caggggggtt 60
aaaccgcggg ggttaccggg ggggaaaatt ntttacacac gggag 105
```

<210> 3399

<211> 76

<212> DNA

<213> Homo sapiens

<220>

2973

<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<400> 3399  
ggtgagaaca agagagctgt aagacgcatn cgtaatgatt ggggggggct aaaaaaaaaa 60  
tntntncccc cgggnc 76

<210> 3400  
<211> 108  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)

2974

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<400> 3400

nggggaaaaa aagccagnng gctaacaggc aaacgccaaag nggttaaagc cggggttaca 60  
ccgggaaaat ttacacaca gngagttacg ggaacnccca accgaccg 108

<210> 3401

<211> 106

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<400> 3401

ctaggggggg ggggnaaaaa aaaggtcccn acgggggttt naaacaggac cccncctgcc 60  
cccagggggt ttaaaccgcn ggggggtttac accgggggga aaaatt 106

<210> 3402

## 2975

<211> 100  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c.

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<400> 3402  
acnnggtccg gaattncccg ggtcgaccca cgcgtccgcc cacgcgttcg aantgtttgg 60  
ncaggatgag atgatcgngg gggggggggtt attaaaaaag 100

<210> 3403  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)

## 2976

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 3403

gaacagnggg taaaaaggcc acgggggttac agaccatctg cccagngggtt aaccgcgggg 60  
gtaccegggg aaaatntaca cccgnggggt acgggaacnc ccaacggncc g 111

<210> 3404

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (326)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

2977

<220>  
 <221> misc feature  
 <222> (415)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (432)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (434)  
 <223> n equals a,t,g, or c

<400> 3404  
 gcanttatat ggtacttttt tattgttcat ggcttttttt gcacatatta tataatttta 60  
 ttcttacaag aaggcccaac ctattttata ggattaagat tttgaacata ggatgatgac 120  
 atgatttgac aaatatcaca cttctgtaat ctaaactctt cacttcgttc aaaacctcgt 180  
 taaaaattgt atatcctttg tgaaactgtc ttctactgcc ctactctaa gataatttcc 240  
 cagttaaaaa aaattcctaa gcaattttgt gtgctgtcca tgctatacta ctaccatcat 300  
 atctgtcttg tacttgntct taattntttt atgggcacat tttatgtttt cctgaccata 360  
 ttgtaaattc ttcttccttt cttaaactct tccacctgag atgtncctgg tatanaacca 420  
 gatgaacatt angnacttta tgaatacttt 450

<210> 3405  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (462)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (481)  
 <223> n equals a,t,g, or c

<400> 3405  
 gcctcaagtc cttattgttg aggagtcgat ggtgggggtca tgtgggacca tgtcagctgt 60  
 gtgcagtggt aagtgtgggt gctgcagagc ctgttttact tatggtaaag taaagttcat 120  
 gccatggact aaacctgggt ttctggaact gctgcttgct tctattaaaa ttaccagcag 180  
 attgcatgtc tggatctgca taccagcagg tggaatcagt tgctttgctg actaatttac 240  
 aagtggaaga aatatctgtc ttgcaactg caacctgtta gagtctcctt gtaactaggg 300  
 ccattagtca ggaaaccgta tgatgaattc tagtacatac ttctatgtat acacattgtc 360  
 aagactaaat tttaaaaact acaaggaaag tagttcagaa tcttacacaa caactgatca 420  
 taattttcct tataaccacta tatttttggg attaccagtg tnaccaaagg attctttaac 480  
 naat 484

2978

&lt;210&gt; 3406

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (455)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (480)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3406

```

gcacccgggc ccagagtgc agcagccaga cgctgggctc ctccatggac tgcagcactg 60
cccgcgagga gccgtcctct gagcccggcc cttctcccct gccgtgccca tcccagcagc 120
aggtggagga ggccacagtc caggacctgc tgtcctccct gtcggaggac ccctgccctt 180
cccagaaggc cttggaccca gccccctcg cccggcccag cccagcgggc tcggcccaaa 240
ccagccccga gctggaacac agggtaagtc tgttcaacca gaagaaccag gagggcttca 300
ctgtctttca gatcaggcct gtcattccact tccagcccac tgtgcccattg ctggaggaca 360
agttcagatc tttggaatcc aaagagcaaa agctgcacag ggtccctgag gcctaaacct 420
gcatgggctg ggtgaaatga agggagacag ncatntnaaa actctctggg ancttgaagn 480
ttgcaa                                         486

```

&lt;210&gt; 3407

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

2979

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<400> 3407  
gattttctgt atgggtatatt agaaattctt tatatgaaaa ataatngctg gttcaaaaata 60  
gaccatttta acaaagngac tatatttctt tttacgaaaa tgctattttt ctatgatgta 120  
aacaattggt aggcggcaga tttttaagga agtattatatt tatttaagag nctgtatccc 180  
tttgtgtgan aggaacccaa agagggttca cttttgctnt aaagctctgt nccttaccca 240  
ctgacaactc tgntacnttt attttatccg agaaaatgtc aa 282

<210> 3408  
<211> 90  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c



2980

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<400> 3408  
gggagaaatc ttgtcaggga aatcaggtat tangtggtat ctaatcataa ggtttttgtg 60  
gncttttaa at ggattgacta cctnnatgnc 90

<210> 3409  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>

## 2981

<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<400> 3409  
antgctgaga cagctaaaga tggtggctng gaagcaacca ttcatttaaa gagtgcgtac 60  
canccttact actcngaggg agttnggcag tggaataaaa ntc 103

<210> 3410  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<400> 3410  
gccnaatgcg cattagttcg atctcaggag tgagggcatg ggtgctaagg tccatgtcct 60  
aaaggagaag aatccagacc atcagctaag gtccccaat aaacactaag ttgaactaac 120

## 2982

gaagtcagat tgctaagaca gctaggatgt tggcttggaa gcagccattc atttaaagag 180  
tgcgtaacag ctactagtc gaggagtttg gcgtggataa taatcgggca tcaagtgttt 240  
taccgaagct atgggatacg taagtatcgg taggggagca ttccactctg cgttgaaggc 300  
gaacgtgagc tttactggag cgtgtggaaa agcaaatgta ngataaagta acgataaagg 360  
gggtgagaaa cccctcgcgc ncaagactaa ngtttctga tcaacgctaa tcngatcaag 420  
ggtagtcg ggtncctaa 439

<210> 3411

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (319)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

2983

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (444)  
<223> n equals a,t,g, or c

<400> 3411  
gggccactcc aataggtgct gagtgtacag agtgggaataa gacagagacc tgccctcaag 60  
agcaaagtag atcatgcata gagtgtgatg tatgtgtaat aaatatgttt cacacaaaca 120  
aggcctgtca gctaaagaag tttgaacatt tgggttacta tttcttgtgg ttataactta 180  
atgaaaacaa tgcagtacag gacatatatt ttttaaaata agtctgattt aattgggcac 240

## 2984

```
tatttatTTa caaatgtttt gctcaataga ttgctcaaT caaggtttct ttttaanaaa 300
tcaancatgg tnagtctgnn ttanaaaatn acccgaanga aaanttnnaa attggncact 360
tgaaaatctt agggaaaaaa ttaattcnaa taaatttncc attttacctt taagaacttt 420
aatggngaa cntttaaaaa agcnattttt ttttaaacct tcttaaagtt tt 472
```

<210> 3412

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<400> 3412

```
gcggacgcgt gggtttttaa aaagctaggc ttgattgttt attctgcatg gtccacttct 60
gccttccttc ctctctctatt acccttttct tattctagac tgttttttaa ctcagttatg 120
cttgcctttca ccaaagcctt aaccttttct gtgattagaa aaagatgctt atgtttccat 180
tacttttctc acaagaaaac gcattctcaa attcatattc actatacagt gtgtggcata 240
acaccaagct taaatggtca ctcagtggac ttcacaataa tggccacttt atgcttntgg 300
atgcaaaacg ntngnanagt 320
```

<210> 3413

<211> 288

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (262)

2985

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<400> 3413

```
gtgtctgttc tagtctgggt ttctattaca ttcttgagtc cttgtaagaa ggtgtcaatt 60
ctgttggctg tttacaaca caggttgggt ggtcttaatt gacaacctac aatatctata 120
ctccaggttt gtgcagaga taatgaactt gaattttctg cttcccagtt cttgtaattg 180
gattgtatga aatattcttt tttttgtgat ttaccaaagt aaaatttttt ttttagaagt 240
ttagaagcat gtacaagttt anaagaattt tacaannact nttntaa 288
```

<210> 3414

<211> 59

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2986

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3414

gggcttttgct catgagagat gtcaggcttc ctggnnggcat ngnggctttg agcnctgat 59

&lt;210&gt; 3415

&lt;211&gt; 138

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (124)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (131)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (134)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3415

gctagagaac aagtgtgtgc ctgcccagtc agtgggtgcc cctcagcctt ggccacagga 60  
cagatgtgag gccatgaact gatggcatgg gagcacgggg ctgggggtggc ccagccgtcc 120  
cganaaacact nanntncc 138

&lt;210&gt; 3416

&lt;211&gt; 63

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

2987

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<400> 3416  
gcannggtcg gtagtttgag accagcttga ctgggcatgg nggggggaccc tttatntcct 60  
gan 63

<210> 3417  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



## 2988

<222> (52)

<223> n equals a,t,g, or c

<400> 3417

gctcctcctc cagcaggagg tgggtggtgta nttgatggtg annctnacat cngcgagaga 60  
gtt 63

<210> 3418

<211> 125

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<400> 3418

gcgtcactag acgacacggc tgtcttcttt cctggagaat ttctcaagga ctgctggctg 60  
gaaacttaac ggntaatgng gatctgacng tagnttgcca aattaagaaa acgtttntac 120  
cctgt 125

<210> 3419

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

2989

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (354)  
<223> n equals a,t,g, or c

## 2990

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<400> 3419

```
taatgtaaaa ttagatcacg agttcctttg tagctaagaa aatttggtac actngattan 60
agctatattt aaataataac ctgtgtgcag gaatggatat tatgcctcat tgctaagtta 120
tgtgaaaana ttgtagaaac tctttcaggc ttgattttgt agtttttttt ggctgctttc 180
cnatataatg ancacttgn anagggcaa ctggagaatt tctcatggat aaaaatacta 240
taaaaccaa atattgcttc ttgtatatca tttaaataca gatagtcca tacattgaag 300
ggactaaan gtaanatttg gcttcatttt caaaataatt ttatttgnta ttgncacagt 360
agcaatagta aatgaagca nat 383
```

<210> 3420

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2991

<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (177)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (244)  
<223> n equals a,t,g, or c

<220>  
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<222> (283)

## 2992

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<400> 3420

```

cgcgtgcatc ttacgcgtca gatgaactac cgnctacgtg gnetgcttaa gcngagtata 60
cttttctcct gcttttcttg aagagaanag catgtgttct agtgctnacn gcgcggcctt 120
cacgtccgct tctccccaag tgggtggcagt acctggccat aggaaggngg attntancag 180
cctgcacntt taaaattgan gctgatgtct tancctgac tttgnttatn gctgcttntt 240
ctangcttca aagtgtgctg aattctatga aaattacaat gancagtcta acctttgtaa 300
cactttanta cttactggca catttctactg anaccatttg aaacantgtt accttctgaa 360
agtcatttta aatgtatttg nanaata                                     387

```

<210> 3421

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

## 2993

<220>  
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<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<400> 3421  
gcgcgcacatga gggccccgctc catggaccgc gcggccgtgg cgaggggtggg cgcggtagcg 60  
agcgccagcg tgtgcgccct ggtggcgng gtggtgctgg ctcagtacat attcaccttg 120  
aagaggaaga cggggcggaa gaccaagatc atcgagatga agattggata accaagaaat 180  
gactaatcaa gagtctgccg tacatgtgaa aatgatgcca gaattccaga aaagttcagt 240  
tcgaatcaag aaccctacaa gagtanaana aattatctgt ggtcttatca aaggagganc 300  
tgccaaactt canataataa cggactttga tatgacactn a 341

<210> 3422  
<211> 123  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)

## 2994

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<400> 3422

```
gtgtgaggct gccgagcgga cagcgactcc cggggaagcc cgcgctccgg gagcgggagc 60
aggagcagga gcagcgccgt cccacgccag aggcgancga cgggcgccgn nagagnngag 120
agc                                     123
```

<210> 3423

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

## 2995

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<400> 3423  
gncgcagatt catgcancat tccatatttt tttaaaaaaa ggttacactg tgcaccgacg 60  
tgagagctaga aggaaaagca tgaantctca tgtttgctga ctataaaaaat aaatcatagt 120  
aataatatta ttgaacattc tacttttaaaa attattaata aaaccataaa tgaaacactt 180  
gagcacactt taaaaagtac ataaacccat gagtccatat gtgtaattnt atgttgncgtg 240  
ttttattatc caggatttca tactcagatg agcattagca tcaggaaagc ctgaaatgcc 300  
ttaattgtga actgatacgc aggaaaatga aatatgtaag cacattggtg accttggtct 360  
ttacagacat catgatcagc cttcagcnat acngaacaaa tgagaaatta gaagcaattn 420  
aagaaccgtg tgatggtgtg aaaccactt ttgaccgnn 459

<210> 3424  
<211> 100  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (51)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c



## 2996

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (89)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3424

```
gggacctggt ggtgctgctg ttgaaaccg ccctgctatc ttcttgctcg ncttaaccct 60
gaccaccca ttgnggaaac ctgnggnana aggctgaagc 100
```

&lt;210&gt; 3425

&lt;211&gt; 296

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (226)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (267)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (296)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3425

```
gcccacgcgt ccgagttaat agaagaacat gaacatTTTT gttatgtatt gaaatccaag 60
agatccgttc cgTTtatctt aacacacaaa gtgtatactg tcacatataa attatgcctt 120
acaggtaggg agagtagaca cagttgacac agcgTTTTtg atgctcagtc actgtgacca 180
aaaactcttc tattcgtgtg ttgccttcac agagggcgat ctttanaaat ttgagaaatt 240
cnaaatttga gaaattccta catttgnatt ganattgcta ctatttaaat gaccn 296
```

&lt;210&gt; 3426

&lt;211&gt; 82

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2997

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<400> 3426  
gctcatcaga gaagattgtc aaaangngaa gctgtgggat gaannggttt cacatnttgt 60  
ggaaggacca aattttctga aa 82

<210> 3427  
<211> 171  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2998

<222> (125)  
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<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<400> 3427  
gggttttgcag tcttctgctt acctntgagt cactggctnt catgttacta tatctattgt 60  
tggttttatga tctatttttga gtatgggtgct tatgatcttg gaactaacgc ctattntcta 120  
tatgnagatt attctatnat ataccattca gtctnatnga attaaatgat a 171

<210> 3428  
<211> 176  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)

2999

<223> n equals a,t,g, or c

<400> 3428

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gatcgcgact atgggagctc cgggggggaaa gatcaaccgg ccccgaaacgg tgactgtgtg 60
ggggccgcga ctttgtttcc tcaagcggtc ctgagccctt ttatctcgca cgagatggga 120
tcagagctga agaagaagct gttcaaacgc cggcggnntgt tgaatcnnga gcnagn 176
```

<210> 3429

<211> 278

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

<400> 3429

```
gcggacgctt gggcaatctg ctagtatcta ttttacaaaa tgcagagcca ggtccctcag 60
cccagactca gtcagacatg ttcactaatg actcaagtga gccttcggta ctcctgggtc 120
ccgcccggcc agaccgtcag cttgataatt actaaagcaa aggcctgggt gggagAACag 180
gtttctagtt tttacccaag tcaagctgca catctattat ttaaaaattc aaagtcttan 240
aaccnaaaat ttggncatga accattaang aatttana 278
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<210> 3430

<211> 53

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

## 3000

<222> (4).  
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<220>  
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<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<400> 3430  
gganaaatct tacagaagag aaactgtnaa gcaggggtta tcanggnaaa tnt 53

<210> 3431  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

## 3001

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<400> 3431  
ggtcaccatc actgaagagt ctgggtgaac tggggtacta gctcccaggc tggaggtggc 60  
ctctgacaga catggcctct gaggagtgtg gcaccaaaca cggacccaaa agcaccctc 120  
agaaaaggaa agggatgaag gggtcatttg cctgttttac acatttatcc agatcaggac 180  
ctgnaaggga agacctcctt cactgttgct gagactgcga gctcttgga gacggtgact 240  
gtctttttgt ctctctctct cccagaact cagcagagta acccatgact tgtttgactg 300  
aacagagtgc ccatgggttc antgctctgn tctagtctcc acctgccagt ttccttctga 360  
cnetgctatg ancaaccnc atatt 385

<210> 3432  
<211> 425  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3003

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

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<220>

<221> misc feature

<222> (364)

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<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

## 3004

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<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<400> 3433  
gaaangaagt tccaggatac ggctatactg acaaactcat cttggcatta attgtgactg 60  
aaatactaac gatttttgatt atacttttct gcctcattgt ggttttaggat tgggtgtgtg 120  
tgtctcctct ctgaatggca ctcaaagtgt tgctgactcc tactctgcgt gactgggggtg 180  
tacagctatg gactgatgca tcccatccca tcatctttca cgagcaaagc angtctcttt 240  
tttgacagct tgaagaanaa tctgtangga atccagaang agcattcatg aagatgntac 300  
aagcccgga gaattacaca agcactgagc tgactgttga gccggaggan ccctcnnaca 360  
gcantggcat caacttgtca ggctttggga gttgagcagc tanacaccat atgactanag 420  
tgatgttatc tgcgcnctaa ntacatttgc ctattttctca ncaatt 466

<210> 3434  
<211> 118  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c



## 3005

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<400> 3434  
atctaancn aggggcgntg tnccttca caaagccaag ggatctggtg ctacccatcc 60  
ccgcagtgtg cactaagggg ccccggcagg ccatgtctgc atttcggtgn ctnnttga 118

<210> 3435  
<211> 468  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3006

<222> (35)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (451)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (462)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (464)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (468)  
 <223> n equals a,t,g, or c

<400> 3435  
 aaacngtang tctnaaaaca cagaattgcn acctnccaac aaatcagtcc ttgatctac 60  
 taaggcaaat ctgctttgaa attgttaata ttaggggtaa cctagtaacc agatttgtaa 120  
 caagacattt attttcttta cacggtgaaa agtgataaac ctttttacat ttgttgatc 180  
 aagggtccat tgtagtttga acaataagta aaagttcaat atttgataag aattttatgt 240  
 gaaaagtttg cctggtagag attgtggcat tcttaatcct catatttttt aataaggctt 300  
 accactggtt agaagtgtca ttaggatgtt gttgctgaaa gagttgaaat ttaagacaat 360  
 ccacattgag cccatgagaa aagaattgcc tctgctgagt ttcattgtaag tatcttaaaa 420  
 catatgaata tccctataaa ttgatatcg nggncaggtc anantaan 468

<210> 3436  
 <211> 70  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (14)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (42)

3007

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<400> 3436

gccacgcgt ccgnaatttt taaaaacctg tcaatggta tnggatggnn atatacaaat 60  
angtgtattt 70

<210> 3437

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

3008

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<400> 3437  
anttgagcac cagccttcc ccagcttgca gnagnacacc ccaagcgctg cttttcacct 60  
gtaccttngt tctattatta ttattattat tgctgntggt gcacgcgtga ctgtgggcat 120  
ggaatgcctg aggctggcan tctgggttgg tcacaccact ctctgctgng ttgacttact 180  
gntgtcttca tttaaagcttt ttacgnggn a 211

<210> 3438  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

3009

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<400> 3438  
gccacgcgt cegtctagat cgcgagcggn cgcccttttt tttttttttt canaagagct 60  
acattgtgtc antggacatt tttaaaaact gtgattttta ataatgtcca atgactgcaa 120  
gtcggcctgg attttcactt gcaaaggnta cagctgcatt gtnagggtctc cnagccctgc 180  
agagagctcc ntccactggt tagcagtgtg ttgtgttttn cattcattt 229

<210> 3439  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

## 3010

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (406)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>

## 3011

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<400> 3439

```
ttggccaggg gtaacccggg gtcccgggna aatttccccg ggggnttcgn accccacgnc 60
gggtccgcnt gcaagtcttg gattgggcaa cccgggcttc cccatttccc gggcntccag 120
ccctcncaaa tccggacccc cattttcggg cttgcaaagc ctcgggnacc taagctccgg 180
gccctcgggt ctatccgggt tgcatacctc ctccctgttc cggatcttat cttgcgccag 240
cgctactcc aggatcccg agccagacct caagccatgg ctggtcctt ctcccgctctg 300
tgtccgccgc cgggaactcan gctctgcttt ggcggacggg gtctctaccg tgggtttgtc 360
gacgaactga cgactgcagt aacgacggag gtgatcccg cntganacc aactcgaaag 420
acacaactga tggcagnact gaccanagct atnacggttg 460
```

<210> 3440

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 3012

<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<400> 3440  
gaaacaattg gagagccctn tctggagggc tctcagagta gctntntgnc cattgttctg 60  
aattaacttg tgtcccaccc tggacaataa atggacanat aaacccttng aaatacaagn 120  
caccaccccg tgaggggatta agaggggcanc ctggttnact tagtg 165

<210> 3441  
<211> 86  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)



## 3013

<223> n equals a,t,g, or c

<400> 3441

```
gcaccaatgg aagcagctgg cttcactgct caggtgntta tgggtgaggn cattnaggcc 60
aaataagcgc cgnctgtgcc nctgta                                     86
```

<210> 3442

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<400> 3442

```
gggaaaagag ctgagagttt atgctgaaat ggatttatag aatatttgta aatctatttt 60
tagtggtttgt tcgttttttt aactgttcat tcctttgtgc agagtgtata tctctgcctg 120
ggcaagagtg tggaggtgcc gaggtgtcct cattctntng cacatttnna cagna       175
```

<210> 3443

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

## 3014

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<400> 3443  
acttgagagc ccctnacaaa gaatccacac tgtccatgtc ngggagcagt ggtggtcaac 60  
agccctcang gattgaatga ggggtgtnaag nggtatgaac cggatcattn tgctatcca 119

<210> 3444  
<211> 440  
<212> DNA  
<213> Homo sapiens

<400> 3444  
gtcacttttc tatgggtaat ttcttggttc aaattacatt attatatattt ggctgatgaa 60  
ttaagacgta tctaaatcag acatgtcaga ttagacatat cagatttagc tttaagaaag 120  
tccaaaactg tccattctca ggttctgagc aggtcttttg ctgagtttca gggctctgaga 180  
tgtatggcat cacatggcag gtggtacctg agagcccacc tgaggagggg gctttctgct 240  
ggagagggag ggagcttcag tgaggaacct gtggggacag ccatctgtca agcattgggtc 300  
tgggctctgg ggctataaag acacagagaa aggcattgtta agagagaaga aaaatacagc 360  
ctaggggctt tgctggagga agctggaatg ctgtgggggt ccggacaagg cggcaacctta 420  
accagattt gccagggaa 440

<210> 3445  
<211> 137  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

## 3015

<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<400> 3445  
gcggacgcgt gggccattat ttccccttca aacaaataat agtagtgtga cctttcactt 60  
aattcctact cccttaatgt gagagagaca aaatgagctg aanaaggaat taantgaaag 120  
gtnacactan nattatt 137

<210> 3446  
<211> 218  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)

## 3016

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (217)

<223> n equals a,t,g, or c

<400> 3446

```
gnggaatccc cccctcata gggcntcctn tnagattaaa ccgcaagcat cccaaacatc 60
attcaagnng ggggaaaaaa gggacgtcgt ggtgaaccgc cgcttcgtcg aagnnggtga 120
acaccgcggg tgcncgcggg gaagaatctt ctccccgcgg ggtncgcgag cactccacag 180
nccgctgcnc cgcggtcgta atcttgcgat cgccctnt 218
```

<210> 3447

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

## 3017

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 3447

tnttggcctt ggccttggac cggccttcct tgggngggttg gaaatgnaaa attggggaaa 60  
agnggggtct taattgggtg gggtnccccg gaaaattcta gnt 103

<210> 3448

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

## 3018

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<400> 3448  
catcatcngg ngagaaagaa cgtcctcgtg atcaaccgcc tctcgacnag tgatcacgc 60  
cgtgctccnc cgagatagat tctcccccnc ggggtgctgca gcaaccacc accggctgct 120  
ccgcagtggc cttgggccat cgtggggcct cgtcgccttn gtcgaaactt tctagggaaa 180  
ngggcaaagt gggacgccgc gtantatntn gggtcgagac c 221

<210> 3449  
<211> 110  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

## 3019

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<400> 3449  
tnataganag accctcgctn tcccttaatc aaccagacgc tcgattttcc agaaagatcc 60  
agtctcgntn aatgccttag aaaatgcaag taaggtagg nctcttngag 110

<210> 3450  
<211> 559  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3020

<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (472)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (549)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (554)  
<223> n equals a,t,g, or c

<400> 3450  
gaagcaattg acttggtcct taaccatcct atgagaaagg aacaaacaat ttgggtcaatt 60  
actatcctgt caatgcaa atgaaatggcaa aagcaaaaca ataaaaacac tttcagaagt 120  
aaaaactaat tttgtatctt cagaaacaga tttttttcaa agtgaaaatt tatttcttgt 180  
atcagtaatg tgacttactg cccaatggca acaaatgctg tgaatgagtt tgtccaaatg 240  
taatttaaaa tatatatctt gtaatgctaa aaatagggtc taaaaagtaa ttttattatg 300  
aaaaatctta aagttgcctc aactcgtaaa gcataacagg tatgtctgtt tcactatatc 360  
tgcattgtaa ggnctattct gaattcattt gggaagaatg gtgaaataaa tccctaaang 420  
cctcttttnt atgcattaaa atagaaaaat cctatgggat tacattcatg tnggctttct 480  
aaataatgcc aaaagctcat tttattaagn ataactctgcc tanccatgcc ttaaataaac 540  
tactttggnt ttanaaaaa 559

<210> 3451  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>



3021

<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<400> 3451  
gccanntgac aagtcacacc ctccccatta gtatcctggt aggggaaaat agtagcagag 60  
tcattgtttac aggtgtacta tggctgtatt ttagagagatt aatttgtgta gattgtgtaa 120  
attcctgttg tctgaccttg gtgggtgggag ggggagacta tgtgtcatga tttcaatgat 180  
tgtttaattg taggtcaatg aaatatttgc ttatttatat tcagagatgt accatngtta 240  
aagaggcgtc ttgtattttc ttccnatttg naatgtatct tatttatata tgaagtaagt 300  
tctgaaaact gttnatggta ttttagtgca tttgtgagcc aanagaana gatta 355

<210> 3452  
<211> 158  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

3022

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<400> 3452  
ngnatnccta gggaaaaccc ctactatag gttaaagctg gtacgcctgc aggtaccggt 60  
ccggaattcc cgggtcgacc cacgcgtccg nccacncgtc cgggtgtgcoct ccgactcgga 120  
acggnnttccg nggccggggc agngagggcc gggggcg 158

<210> 3453  
<211> 78  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

3023

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<400> 3453  
gataatntac agccagagag taactcagca attgtgtagt ccagcatttc tacaanntan 60  
gtatncacat gtacctta 78

<210> 3454  
<211> 93  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3024

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3454

```
gaatttcctt atggagaaag acaatgtata ctttggcaga gtagnnntaa aaagaatttt 60
tantatttca tacatttcta aatttttaan gga                                     93
```

&lt;210&gt; 3455

&lt;211&gt; 264

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (231)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3455

```
gcttaagtag tgtgttaatg attgaaactg taattgcctt cgggttgtgc tttagtctgt 60
aaatgtaatt tttataataa cttacattta cagtggcatg tcacaaactt cagcaacttt 120
ccagttgtan agtaagcaag caccttaagt agtgtgttaa tgattgaaac tgtaattgcc 180
ttcgggttgt gctttagtct gtaaaattct aaaggagagc tgctaaattg ntttcttaat 240
aaacattttt ctcatttgta aaaa                                     264
```

&lt;210&gt; 3456

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (333)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3456

```
ggtaaaatcc tttgttaaaa ttttaagaaag atctaagttt ctgcctcaga gtacttttca 60
gtcacataaa agggcctcta aagaaagact aatgggtgtga ctgaccaatc cattcaatca 120
aacaatagcg cgtccaagaa acttaagggg atggtcctta tcctgcagcc atttcagcag 180
aatctcaagg tagaggaggg cttatctgaa aaagatttgt gcgtgtggct tttgtttaat 240
gcaaagaacc ccagtgagat tcctaggacc cccacaaagc ttttaagagga atgtatttta 300
aggatcactt actagtttgg attaaaaggg gtnaanaaaa gtacaaaatg aaaaagatgc 360
```

3025

ctttggaccc ccaaacttt

379

&lt;210&gt; 3457

&lt;211&gt; 56

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3457

gcagatataa atcatgtctg aacagacntc ggaggggctc ntacagggga gananc 56

&lt;210&gt; 3458

&lt;211&gt; 260

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (196)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (215)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (217)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 3026

<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<400> 3458  
gaaaagctta aagaagggttt tactgatcca gatgttggtcc agagacttcg agccttgagg 60  
gttcttggtg ctgatgttgg tgaagggtgtg cgcggggatc agtaaaagct taaagaagggt 120  
tttcacaggt cactgggctg tggtagagaga aggcctcacg aacccttgga ttccggataa 180  
ctggtcttgg ggcggngtgg cttctgaaca ctgcnantgc taccgagttc tacactgaaa 240  
aggactggan caagaangac 260

<210> 3459  
<211> 83  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<400> 3459  
ggaattnaga tgtnaccgtc ttggccatcc nccttgggaa cgtatatnaa ttccctaanct 60  
accttaaatg cataatcaca aaa 83

<210> 3460

3027

&lt;211&gt; 460

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (431)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (443)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3460

```
ggcacctcag aaggggaaaa gctaaaccca gagctgtcag tccctctatc ccttctcctg 60
tccagggggc cagagagaaa cacacctacc cctggccttg ccagagtggc ttctgaggac 120
tccctgcccc gccagcttt cactgggggg agacgaggag aggcaatggt ggtcttggca 180
acagaatgct cagccccctg tggcaggact tgacaagggc aagcttgacc aggaagctgn 240
catcagggat cttccccctg cccgcaaagc taggctccag ctgcaggcgg gctcccaccc 300
tctgtcctg gccttgggca agggcactca gcgcctcgcc tgccccctgcc ttggccaatg 360
cgaggtcctt ccttatcccc accatggggg ccatgggtcta tttattctcg ccagcttac 420
cctctacaca nacactgtnc tgngtgcaca ctncctcctt 460
```

&lt;210&gt; 3461

&lt;211&gt; 67

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

3028

<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<400> 3461  
ggagcgagcc tctctggtcc cgacgggggt ggcncgggtc tcctcnactc ctgacganng 60  
nccaccg 67

<210> 3462  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c



3029

&lt;400&gt; 3462

gggtggntga agtgtacgac cttgcggcca gcaanggggg cggtnatnga gggcctggat 60  
cgg 63

&lt;210&gt; 3463

&lt;211&gt; 61

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3463

gaatgaattg actttcataa aaaggatatag aacctgttgn tgggcatnat ggnaagggan 60  
n 61

&lt;210&gt; 3464

&lt;211&gt; 462

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

3030

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (441)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (444)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3464

```

gtgcntttat tttcaggggg tacttgccaa taacattctg cagacccacc ttgtgctatt 60
taggagcata agctggaaac gccctgccag ctgctgcttg tcaatggatc taaacttcta 120
cttttacagt ctaatgaaga cccagccctt ctctatctgg ggacaatctg tgagtttggt 180
cagtgtctgc cattttatgt cttatgctca ttatcaacaa ttaacacaaa gaacagatag 240
gatcttggct gtttctgcct tanggaaaga gcaatttttt atggcaatta gaatataaaa 300
cttaatatca aaccattcat attaaagtca caggctattc taaaatatgt ctaatataaa 360
caataaatct ggttattatc attctactca aatcttttct ttgngcttta gaggggtccaa 420
taaggtacta ttccagaaca nganaatagg aaanagctca ng 462

```

&lt;210&gt; 3465

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3465

```

gggtggtggc tgcacagtag acgccccctc acggcttccc ccacacgctc ccgccccctc 60
gctcgcccat cgcgcttccc tcacaggctc tgcagtcctc cccacagac gccttcccc 120
ttggactctc attccctttt ccacggagcc ccgcgcttcc gtgagccccc tcgaggaacc 180
tggtctccgc atccagttac cacctctctg ctcagaggcc atctgagccc ttcgcacctc 240
gccctcagt a 251

```

&lt;210&gt; 3466

## 3031

<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 3466  
gcggacgcgt gggttggaca ttgagctctgc tgtgtctgag tgcactcaat aaagattctc 60  
ctgctttaaa aaa 73

<210> 3467  
<211> 148  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)

## 3032

<223> n equals a,t,g, or c

<400> 3467

```
gccnnaagcc tggaggggtct gaccatcact ttganaacaa ttccagactc ccaccccagc 60
cccaaggctt cggggaaatg tgggtttgct ggtctctctg tcgncttcnc ccacctntcc 120
tggacctagc angccctcag tentagct                                     148
```

<210> 3468

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 3468

```
gctatcanca ttgtttcaaa atagtcattt ttagnactgg ggaaaaatan          50
```

<210> 3469

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<220>

3033

<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (487)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (520)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (531)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (560)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (561)  
<223> n equals a,t,g, or c

<400> 3469  
gaaaaaattg tttttttgcg tgctatTTTT gtgacacact tcttatgttt caggcatagt 60  
gccagctgtt aacagttata gtgagaaaag ggacagacac aatTTTTtgc tttatagggc 120  
ttatagacag tgggtgatgcc acagggaggg catggagagg tgaggatggc atgtgttttc 180  
ttcctacaat ctccatcaga acccccatc gtttctgtgt tcagttgaca tttctcaacc 240  
ttagtaagta ttatgcaatg gaagcaaagg cccccctacc caaacagatt atttccttcc 300  
acctgtgtag aaattctgga ctctaccat ttatagtcaa gttcgggaga tagacattaa 360  
acaaatagtt gatcaaagaa tcaacttaatt acagttaaca tcagcagtg atacaaagta 420  
cagagagcan agganggggg cacagcctga ggccctcaga aggntcccca gaactcanaa 480  
tctgcanaat tcagactcag cccagctgac ttantggtan aaagcccca naaccaggaa 540  
aagagccttg gggaccctan ncctttgagg aagaaaccaa tgtgtca 587

<210> 3470  
<211> 58  
<212> DNA  
<213> Homo sapiens

3034

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<400> 3470  
gatgantcgc actgttcggt catcagtggc tgaagggggn ggaagnagtn caccattc 58

<210> 3471  
<211> 146  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)

3036

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (383)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (388)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3472

```
gataatagtg cttattgttc aggtcacatt tcaatgaaag aagttttggtt ttctntattc 60
cttttccnag aaacttttct acttacaaaa acaatcattt taaactacaa aagccaagaa 120
cttacaaacc aacgccacag acaactttcc tcatcatgac tgctttcaga aatgtaggaa 180
aactgtgaaa ataccatatt gtattttaat caagtatctg ttccattgga tatttttagaa 240
taagtaatta gaattcattt taaaattacc agtcaattta tgtttttattc aagttagaat 300
tttctgtgat ttctgataaa tggtaatatt acttggaag gattntactt tttttgaaat 360
taanttcatg antacattgg aangcctnat                                     390
```

&lt;210&gt; 3473

&lt;211&gt; 59

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3473

```
gnntaagcag catggaagaa cagcttaaga ccattcantg gttgctncta ccnnttcag 59
```

&lt;210&gt; 3474

&lt;211&gt; 56

&lt;212&gt; DNA

3037

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3474

gatgacgcgt gggatttttt gtanccacag gnttccaagg acttcanntt attatt

56

&lt;210&gt; 3475

&lt;211&gt; 110

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



3038

<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<400> 3475  
cntanaanaa aagcaaaagg gtggctttct cttcaggatt ataatatatta ngctacgcag 60  
tggcaatgga gangaacata gcatgtttgt atgaatggaa naatatnant 110

<210> 3476  
<211> 64  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)

## 3039

<223> n equals a,t,g, or c

<400> 3476

gcagctnctc aggttcagac tgacaggaag atgacgatga cgangagacn acaggantgt 60  
tana 64

<210> 3477

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (278)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<400> 3477

gggggagtga tcacattttt cacaacagta agttaagaat ttcagttact gacatccctc 60  
agtcttgatt aaacctatgt gatttcacca gtttttaacc catcatatgt ttgggtttct 120  
tctccccagt ccttgactcc acctcttctg ccacaaacgt cagcatgggtg gtatcagccg 180  
gcccttggtc cagcgagaag gcagagatga acattctaga aatcaacgag aaattgcgcc 240  
cccagttggc agagaacaaa cagnagttca naaacctnaa agagagatgn tttctaactn 300  
aactgg 306

<210> 3478

<211> 59

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

3040

<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<400> 3478  
gtttaaagtg gactnatttc anatacaaag cttagangag ataccatgag tttatnatn 59

<210> 3479  
<211> 107  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

3042

&lt;211&gt; 198

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (171)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (178)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (182)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (195)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3481

```
gggcaattga ttagtaatgt cagtcgtggt tgccagacca gggagtggct gtaggtatgt 60
gtaggggaag tcacacatgc aaaaagcacc tgggttcttt cctgacctgg ttgggttgct 120
ctgggcaagt catgtcccct ctggccttgg ggtccctntg ttaaatggca nggctganc 180
antggcttct gggtnact 198
```

&lt;210&gt; 3482

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (127)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (145)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

3044

ancata

66

&lt;210&gt; 3484

&lt;211&gt; 137

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (121)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3484

gccacgcgt cggattagag aaggataagt agggaaaacat attcaagact actgtagctg 60  
atcaatatcc aaattgatgt gttttaaaat ttatttttaag gttttacaac cnaaacataa 120  
ncatgctttg acnecgn 137

&lt;210&gt; 3485

&lt;211&gt; 68

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

3045

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<400> 3485  
gcggaataaa tgttttctca ttcaaacagc atcccaggnc gagcatctan nccangattn 60  
tataatcc 68

<210> 3486  
<211> 228  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<400> 3486

## 3046

gcagcgtcag agagaaagaa ctgactgaaa cgtttgagat atataggaaa catcaaaagg 60  
tgataaaatt tccctagaat ctccactatc tcaaagatga agaaagttct cctcctgatc 120  
acagccatct tggcagtggc tgttggtttc ccagtctctc aagaccagna acgagaaaaa 180  
agaagtatca ntgacagcna tgaattanct tcanggtttt ttgtgttc 228

<210> 3487

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

3047

&lt;221&gt; misc feature

&lt;222&gt; (129)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3487

```
gaacctnttg gaccccttng aataccgnaa ntatatggaa agctggtacg cctgcaggta 60
ccggtccgga attaccgggt cgacccangc gtccgagcgg atgnagcgt ntngtcttct 120
gaggetctng gtgccctgtc cttttc 146
```

&lt;210&gt; 3488

&lt;211&gt; 385

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (385)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3488

```
gctgactttt ctgacttggt tcttgaggga cttggaaaag gggaagggtat tattcacaca 60
gatgtgtgta tgaagcctaa ataacatcca actttttttc caaaaacata gtaagagttt 120
aaccataaat agaagagtaa tattccttta aatttcttac aggcattgtaa aattttatgt 180
gtttatagag agatgctaac tgtcagcata tagtatttat attggggcaa gaagggttaa 240
atcaaacttt ttaatttaag taagcatagt tcctttaaag atcaagtagt atttatactc 300
tgaaaagagt accaagctta gttcagttat ttattcatcc attttttttc tattgggttct 360
cctctggggg gaaatggngt tttgn 385
```

&lt;210&gt; 3489

&lt;211&gt; 159

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)



3048

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

3049

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<400> 3489  
ggnaccantt gctgtgtatn ctngctcngg ttctcnnct cactncttat tctnaacgac 60  
ggattatgtg acagtgaccg aagataagat ggatttgntn attatctcac acgntgtaaa 120  
tgttgancct ttttgatctg tttgttngca aaggccctg 159

<210> 3490  
<211> 497  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (483)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

3050

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (493)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3490

```
gggcatggta tcaaattatg taaagaaaaa cttggtaaac aagaaattgt caaatttata 60
atcatagcta cgtatttgaa cacagcgctt agaaattgtc agataaagag ttcaaaatag 120
aggaaacatt ttgaattata tagtgcacaa attttaatag ctatagaaca tttgttttca 180
aatgccatga aaaaatgacc atgaagcaaa aaccacaata tttttttgtt tgntgatagg 240
taaggaattc anggggccat cctgtcatca caatgcaatg aaacaaaaaa ttagcaagtg 300
gatagcaata aatcaatttt taaaaatcag acaaaagaaa acactgtcct tgtaatgctt 360
gcatttaaaa ggaaataaaa acttatgaaa gagaatcttt attttattta agcagttcta 420
gattatacaa aatggttgaaa catctcaatt tggncctctga ngctagcata atccttattc 480
canaaaaattg ntnatca 497
```

&lt;210&gt; 3491

&lt;211&gt; 58

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3491

```
gttgacgcgt tggttnnacc tcaagaccat gcggtangtg aggnngctct gcgtgcgc 58
```

&lt;210&gt; 3492

&lt;211&gt; 358

3051

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<400> 3492  
gcagatcaca gggtaggggc cacctccaca cccaccccct ctggagaagg cctggaagag 60  
ctgagacctt gctttgagac tcttcagcac ccctccagtt ttgcctgaga aggggcagat 120  
gttcccgagg cagaagacgt ctecccttct ctgcctcacc tggtcgcca tccatgctct 180  
ctttctttnc tctgtctact ccttatecct tggtttagag gaaccanga tgtggccttt 240  
agcaaaactg gacaatgtcc aaaccactc atgactgcat gacngagccg agccatgtgt 300  
ctttacacct cgctgntgca catctcangg aactgacct cangcacacc ttgcanaa 358

<210> 3493  
<211> 319  
<212> DNA  
<213> Homo sapiens

3052

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<400> 3493  
gaaaaaaaca gctctcttta aaacagcttt ttcagccatt ttacattact tattaactag 60  
tctaagggaat gttattctgt gagttttaat tacaaaatac atttgtttta atattgtctt 120  
ttgaattaac attctgtctt ttagaaatac ttcgtgtagg tcacagtttg tgaaggaaat 180  
cctaatatgg ttngnggttg aatgttagtg actttaattc attgtataat ggttattttc 240  
catttaatat atcttgaagn agttgttcan agaatagggtg ttcataanca tgggacttgc 300  
attgaagngg nttgaataa 319

<210> 3494  
<211> 76  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)

3053

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 3494

gccatcaccg aatnngggag ctnttcaaaa tgaagtttaa tccctttgng actttccgac 60  
ccgaagcaag gnatcg 76

<210> 3495

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

3054

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<400> 3495  
ttgtttgtgg ngnaaggctg ggtaagccca agaagactcc ngtggggggg ggccgcttgc 60  
ttttggggccg ngangggagc cccaagcccg ggaagcaagc cctcttttcn gaaagngccc 120  
ggccgggacc ttcttcaaag ggcggnngga aaacnggaaa gggaaaaggc ccccg 175

<210> 3496  
<211> 549  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>

3055

<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



3056

<222> (300)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (529)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (540)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (541)

3057

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 3496

```
gggatttctg cnacgcctgc cggtagcggg cccgaattcc cgggtcgcacc cacgcgtccg 60
cncagcttct gtnaccatgg atttaagacc atgttgatc caaaagttgg cctgaaaccc 120
tgaagctgat gcttcacagc tgggctgtaa gtcagacttg aaccagctg atatgcaagg 180
tcatggcgtg cccaggggtg tgacagttga acaaagtga tagtacgttn caagcngtgg 240
nantggaaan ntgnatacca aanggacttt gnaggaccaa aggtttttaa aggcaattgn 300
tatnacctcc aactgacta gggtagnggg gtgcattagg tttcaaattg ggnactttta 360
acactttang tgctgactg ctgttctttt actgacttga ttcaagtcac tcgnagcttt 420
attggctga accaagntcc ttgttcccag gttacagacc tgctatcgt tccantaatc 480
ctgtttaact tgaatgaaag ggaatttgcc ttaaatggaa aagttcctng gtttttaaaan 540
ngacttttn                                     549
```

<210> 3497

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 3058

<222> (397)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (406)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (439)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (462)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (467)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (492)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (518)  
 <223> n equals a,t,g, or c

<400> 3497  
 ncagtgtaac ttacagtttc cttnaaaaaa naaaaaagta aacctggcag ctatagaata 60  
 cactatgtgc atttataata gctattttat atattgnagt atcaacattt ttaaattaaa 120  
 tgttttacat tcacaagtgg tggggagtct tgctattaag gtgtgtgtaa tttagagtcc 180  
 agttgggtttt cttctgactg cacttggtct catagtagta aaatgctatg cgcatttata 240  
 ccttgcataa gtcctcattc taccacatgt taaccctcta gctgataatg caaacactaa 300  
 ctgggggatt ttatttataa gggctctaga aaaaaccgag ttattcacac cagcatcatc 360  
 ttaactaaca ttcttgaact aggtagtgc gcttttnttg tgttgngtgg ttggtctcat 420  
 aactagggttg agttttctnc tctgctgagg aaacagtacc gnagctnctt tcttgtggca 480  
 ttgcattat anaaacttgg tgtgggggag ggagcccnaa a 521

<210> 3498  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

3059

<222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (414)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (554)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (569)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (572)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (576)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (577)  
 <223> n equals a,t,g, or c

<400> 3498  
 ggtnatgatc accgagaccg cggcggagcc tacggtccct gcagtgcctg ctgctgagga 60  
 ggccaccgaa gctcggggac gcgaggagcc ggcgtggccc tggaaagacg ccccgatccg 120  
 gacgctggtg cagcgcatcc accagctgca ggctgagcgc gcgcagggct tccgccgact 180  
 ggaggaaggc caccgccagt acctgcgcag cggccctgac tacgacttcg cgcgctaccg 240  
 gagcacagtg cacgggggtga cccaggcctt cgccgccgcc tcgcgggagg tgctggcggt 300  
 ggaagcagag ctgggcgggc ctgcaggca gccgtgctc gccggccacg tgcgcagctg 360  
 caggatctgg agcagacgcg gctgggcacg gtggccctgc tgcagttgat ggangacgcc 420  
 agagctggcg gggcaaggag gacgctgtac ggatgcagca agctgaaaat gaaggtatt 480  
 taaaccatgg aagcgatcaa cgagggtctc caggacctta aggtttgatg cggaatctgc 540  
 cgagtgatgg cggnttccca aggattgcnc cnaggnnaga tgggaaaacg gggc 594

<210> 3499  
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 <212> DNA  
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<220>

3060

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<220>  
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<220>  
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<222> (63)  
<223> n equals a,t,g, or c

<220>  
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<222> (64)  
<223> n equals a,t,g, or c

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ngnngecccg cgccgaccct gagtgcag 88

<210> 3500  
<211> 53  
<212> DNA  
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<220>  
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<223> n equals a,t,g, or c

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<220>  
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<222> (11)  
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<220>  
<221> misc feature  
<222> (51)

## 3061

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<400> 3500

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<210> 3501

<211> 103

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<400> 3501

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tcganttggg nttngctctc gnacngggat ccatttgcgt gtt 103

<210> 3502

<211> 161

<212> DNA

<213> Homo sapiens

<400> 3502

gcggacgcgt ggggccctgc agagataagg cagctgggcc tgagctagac tcagtgtcct 60

## 3062

cctggggtag gacagggaca caggggtgtca tgcctcacc cccagcagg gctgggtgctt 120  
caacatctca atttgtacaa atacatcccc ccttcaaaaa a 161

<210> 3503  
<211> 648  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (623)  
<223> n equals a,t,g, or c

<220>  
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aagataaaac atgctccagt actttacagc ctgttatctt gtcacattg accccgtttc 180  
tctcctcact gctattcttt aaccaaagga aagagctcct gagagagact tgaaagtaat 240  
ggttggaagg gtggtttcag tgtaatggat acattctttt tctcagaggc caatcccagg 300  
cattgtgaaa gaaatggctt ttcttatgaa gacttcaaatt tttcccaact cttttcacag 360  
gtgttgggga tgtcctttgc actgaccctg aactgccaga ttgacaaaac cagccagacc 420  
atagggctat gatctgcagt agttctgtgg tgaagagact tgtttcatct ccggaaatgc 480  
aaaaccattt atagcatgaa gccctacatg atcactgcag gatgatectc ctccatcctt 540  
tnccttttta ggtcccctgt cttatacaac cagagaagtn ggtgttggcc aggcacatnc 600  
ccatcttnag ccagcaagac aantctttca cttcacttga ccggnagc 648

## 3063

<210> 3504

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<400> 3504

gcccanncgt ccggatggtg atggtggtgg tgatcacntn nctgctgagc cactacaa 58

<210> 3505

<211> 218

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

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<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)



3064

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

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<221> misc feature

<222> (186)

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<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<400> 3505

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ctcccgctccc ccaactgact gaccctaggg aagcccactg ccccccncatc cccctacccc 120
gggtaagccc actgccnctt ccaccgcnc a ctgacccccgg gcaagccgag tattcctnat 180
ggaccncagg caaggacnct ggcacaacat ggacccca 218
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<210> 3506

<211> 165

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<220>

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3065

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<222> (164)

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<400> 3506

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tccttttcac cctcccaaca ttgctttgag gctaaganaa acantttgnn taaaccagac 120
atttgtccaa ggagtaaata ctgattcatg cttgctatac tgcnt 165
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<210> 3507

<211> 97

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (42)

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<220>

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<222> (50)

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<220>

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<222> (65)

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3066

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3507

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ttttncctat atttccttcc ctatnagaat caaaggc 97

&lt;210&gt; 3508

&lt;211&gt; 612

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (411)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (462)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

3067

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 ggaagttgaa cccaagctgt gaaaagccag tgggtgctctg tgcattggtgc tgtgcggagc 180  
 ctggtgctgt agtggtgtgc tgggactttc ttgactcttg ggcaggtcac atcctacagg 240  
 agctcagcag accagtgtaa caacagttaa tgcattctatc ctgatccctg aatttccaca 300  
 ttggacaatg gtgcattgct caccactgag cctgcttcc ccatgctgtc attgggttcg 360  
 ggggcctaca cttaacaatt ttaaagtgca agagtcaaac attttcaaca ngttgctata 420  
 attttctctc ctaattgggtg ccatttctcc atttgatcat tntctttttt tctttctccc 480  
 tcttcatcac tttaatan ctgnctgaaa ntctggtgca ttcattcggn tctttgaaat 540  
 gagaatgtgg gcttaatttt tgggacgttg cnanaaaagt tggcctgatg ggaacacact 600  
 tatannacca ag 612

3068

&lt;210&gt; 3509

&lt;211&gt; 391

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (208)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

3069

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<220>  
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tcagctgtgt accccagtaa gtgcttgccc ttccagatca tagtttctct catgtgcgta 180  
agaaggggtg ggtcaggatg gagggcgntt ccaaaccacca gtcttccatg ccaacatctg 240  
ccccctagac ttggcaaaaa ccagaacaat aaggacaatg ccataagttg ttcatgaaac 300  
taaattgcac cagtctaatt gattatcctt tattctgaga tgacgccttc tttntttgan 360  
attnaaaagc ccttttggaa aatnaaanga t 391

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<211> 555  
<212> DNA  
<213> Homo sapiens

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<220>  
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3070

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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tttattgatt gcaacactta gcatacatga ttcacaaagt tctcattctt gataattttc 180  
tgcccaaatg tagcttcttg agaaggcan gagtgatcca tcacgtggng ggtgttcatg 240  
tttctggttg gctccagccc ctcccttga atcctgtgct ttaacagctg gaatccttca 300  
gtgtgttttg gtggctcact gcttatcaaa tattcaaggc ctacaaccat tgcagccttt 360  
ctcatacctc cactcttgaa gcttctgctt aggctaactn ttgtctcttc cctgccttta 420  
attgaaactc tggaattctc tgggcctttg nttttacctt tttcctgttc aaagtcttgt 480  
aattattggg atggaaaagt gacaaactct gatcatttnt aagaacactt gtaaaatngg 540  
cangcccctt ccna 555

<210> 3511  
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<220>

3071

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



3072

&lt;222&gt; (501)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (527)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (559)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (566)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3511

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ggtaatttgt actntgaact aaccataaca ctatacatgt gttaatacat tttgttgtaa 60
catttataaaa aatgtagtta tagacttgat ccatccacca ccctcagatg cagatagaaa 120
atTTTTgaga aaattccagg gatccaaaga caacctaaag ctaatcttgg gattccttca 180
tatttcacag tacagaagat aagtccatt tcaaaagata atacaggaaa tgataaaatt 240
tatgtctttg agagaatagt tatgttctta gcatcaactt tgataaaggg tagatgttcc 300
ttatgaacta atncatcttt catttgggtt ggttctttgc tnggtncaga ggtnttcata 360
ttttgggttac agtgatactg gnnattaaag ngcttaataa aatgggttaa tataaattat 420
atccatgant tatataanat agatgggttt attggtatat gntattttaa tttcaagttt 480
atgctgggta ttactacang nttattctga gatggtttca tggcccaaat ttttaattgat 540
attgggatcc aatgggttna cgggantttt ataaag 576

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&lt;210&gt; 3512

&lt;211&gt; 103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

3073

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<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

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aagtnacgga aacaactgcg ttttcngccc ataatgaacc aga 103

<210> 3513  
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<212> DNA  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (568)  
<223> n equals a,t,g, or c

<220>  
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<222> (575)  
<223> n equals a,t,g, or c

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ggtccgcttt gctggtgccc gactgcgcgt ttccgttctt tactgttctt cgcggcgtcc 180  
gtccgcccct cgccttctc acgttcaggc cgagcgccgc gtgggcccga gccggaggcg 240  
gccgagccga gggggcgccg gccggcgccga ggctgcccc gcgaggaatg cgggatcctg 300  
gggttccccg cacgtggctg gtgccaggc agttccgcgg ttgcttagag acgggactgt 360  
ggctgccctc atccccattg cgtctttttt tttttttttt tttacctcca ccgccttcta 420

## 3074

gtctcaccga aggcttgtgg ccatctctgt aaagtttctg gggagggtggg cacggggtaa 480  
acgccggagg gttctgtgga gcctatggga ctgactggag gccaaagaac tttgggccgc 540  
anatgtacac cancgtcact tttttngnct gttanggcct t 581

<210> 3514

<211> 191

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (89)

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<222> (98)

<223> n equals a,t,g, or c

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<222> (105)

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<222> (129)

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<222> (151)

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<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<400> 3514

ggctcttcttt aggtagcaga ggtgcagaaa ggagtataga tgacataggt cacctcattc 60  
atgaangcct acagaatctc ctgtccctnc agccacanag caacntgatt gtactaaaat 120  
tctagaacnt ccatatagta tacatgcttt ncagcactag anaggcgtac aggtaagaga 180  
taattagact g 191

<210> 3515

3075

<211> 66  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (42)  
<223> n equals a,t,g, or c

<220>  
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<222> (45)  
<223> n equals a,t,g, or c

<220>  
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<222> (46)  
<223> n equals a,t,g, or c

<220>  
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<222> (50)  
<223> n equals a,t,g, or c

<400> 3515  
ggaaaaacac aagntgtatc agactcactg attttcatca gngtnnaccn caagtgggtc 60  
ttcctg 66

<210> 3516  
<211> 347  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature  
<222> (16)

3076

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (223)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (321)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (328)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3516

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aagacttcan atgannatchn tgnactatcc ttaaagctgg tacgcctgca ggtaccgggc 60
cggaattccc gggtcgaccc acgcgtccgc ccacgcgtcc gctgttctaa cagacatata 120
aaggaagtgc tatggatgga agcacagagg aagaagaggt taatagtgtc taagaaccta 180
gaagggatga agatgaaaat tgagatttga aaggtgagaa agncattaag acaaggatga 240
cttaaaggta ttccaaactc ctaagaaata cagggagttt tgggtggatgc agaattgattg 300
ncgaaggctg tcaaagtttc nattaacnga aatctcttan tggtaan 347

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&lt;210&gt; 3517

3077

&lt;211&gt; 397

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (376)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (388)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (391)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3517

ggngatntat nagctagaga ggtnttccgt actacagga aagctggtac gcctgcaggt 60

## 3078

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aggtaacact ctgcttcaga tgctgccatg atcagtggtgc agccagaaat aagcattagt 180  
gtctgtaggt tcttgaattt ccatttgctt aatcaatctg cctttggtct aaacagttgg 240  
cgagttttat gtgtgggttg ctcaccaagt taccatgct agtctcattt cttcactatg 300  
atgtctattc tcttttaaaa ttgcttttac tttctgtgct tttatccac tgttctgcat 360  
gcagttccag tgcanngtnt tctgatgntg naccaca 397

<210> 3518  
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<220>  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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3079

<220>  
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<220>  
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<222> (187)  
<223> n equals a,t,g, or c

<220>  
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<222> (226)  
<223> n equals a,t,g, or c

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tttttcccc cggggggggtt cgggaaaacc cccaaacggc cgtnnccgg nttggggggc 180  
cttaacntta accggaaatg gggggccgga atggaaaagt tttttncgga 230

<210> 3519  
<211> 164  
<212> DNA  
<213> Homo sapiens

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3080

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<220>  
<221> misc feature  
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<222> (97)  
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<220>  
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cctgtgcgag atttaccccg tnttncgcct ncctccnacc ggaaaactct gaggacatga 120  
atagtcgcca ggcttgngg ctcttgctct cccaaggcag agga 164

<210> 3520  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<222> (87)  
<223> n equals a,t,g, or c

3081

<220>  
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<223> n equals a,t,g, or c

<220>  
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tgtcttttncg gggggccagg aaacagntgt gggccagagg aatggagggg ctgtgggatg 120  
aacacgatga cagccganat tcgactctgn ccana 155

<210> 3521  
<211> 573  
<212> DNA  
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<220>

3082

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<220>  
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3083

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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3084

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<220>

<221> misc feature

<222> (439)

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<220>

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<222> (450)

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<222> (467)

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<220>

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<220>

<221> misc feature

<222> (562)

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<220>

<221> misc feature

<222> (571)

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ntgtntctga tatttttaaaa aatngantta taaagagata aaaataaata atnaatggaa 180  
aaacttntgg catgggagag acatttaggg aaagaagtca tttcagcctn ccnaacaca 240  
cacatgcaca cacacataca gnetatatca cacaatggag gtgaggaccn antcaatcta 300  
ggctcatgac tggctccatg ggacanatgg gtgggacaag tcacctctgct gcantcaggt 360  
agcagagann accnaggaga ctangatgac agagacaaaa taactngaga aaagatacag 420  
gagctanggg gagaggggtng aggtttgacn aagctctctc ttcccantaa gggagagttg 480

3085

gaagccacag atgtaggtac agcccnttgt tttccagatg atgaaacagg ngcngtgatg 540  
ttaagagccc ccagtagtgg tncatgtacc nag 573

<210> 3522

<211> 55

<212> DNA

<213> Homo sapiens

<220>

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<222> (33)

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<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

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<220>

<221> misc feature

<222> (47)

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<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<400> 3522

gctattttcta gaatcgcgag cggccgcct ttnggggtng ntttttnggg gngaa 55

<210> 3523

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (464)

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3086

<220>  
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<220>  
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<220>  
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 <222> (515)  
 <223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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 <222> (576)  
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 caaccattcc cattcagcct taaatctgag tccttttttag cagcaacttt tttcctggga 120  
 tcctccttcg tggctcttcta agtcagtgtt agttttgaaa tttttggccc tgcataagtt 180  
 ctgcatagca tctaattgtca aaatagaacc aactggtaat cacagtatta tttagtgtgg 240  
 tttccatgac aacaaaaata catacgaaga aaacttctca ggttactatg ctgaaattcc 300  
 aaaatgtctg agttttgaat agtgatcact ttgttctggg attgacgcaa ttatattagg 360  
 aaaaaagttg gttgactgtt tttgtttaat tgacttctaa aatgttcaaa ttgtctantt 420  
 ctaaaagttt actaaatgcc tagtgcagtt aaacatactc ttgnttaaag ngtgtgttgc 480  
 taaaattttt tactgncatt acttaaataa tctgngtggc aaaaatgtgt ggtcaagcan 540  
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<210> 3524  
 <211> 55  
 <212> DNA  
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<220>  
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3087

<220>  
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<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<400> 3524  
gcttaatgat ggattgagtt atctgggtgg tntntagcca ntcattgggca nngta 55

<210> 3525  
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<212> DNA  
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<220>  
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<220>  
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<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



3088

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3525

ggaaaacccc ccattttcgg gctaaaatna cccacttca cnttaatcag tgtggtaaaa 60  
agncctgggg ctcaccggca ctngnccagg g 91

&lt;210&gt; 3526

&lt;211&gt; 137

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

3089

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3526

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ggngctgggt ctctnngtcc cgcanccgtg aggaggacgg tctgcatact cnetgccccgc 60
cggetccctc cccgcgtcc ctgcnaccgn cgnggntaag atggcctaag gagtgcaagt 120
atctgatgaa gtatgtt                                     137
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&lt;210&gt; 3527

&lt;211&gt; 105

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3527

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aaacgtaaat aagtggcgag aaaaaggact tngggataaa ccggacacat ggncgaangg 60
gataaccccc ggggggnacnc gggggaaaat gtgacgcacg gggggg          105
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&lt;210&gt; 3528

&lt;211&gt; 50

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

3090

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<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

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50

<210> 3529  
<211> 534  
<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (7)  
<223> n equals a,t,g, or c

<220>  
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<222> (16)  
<223> n equals a,t,g, or c

<220>  
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<222> (20)  
<223> n equals a,t,g, or c

<220>  
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<222> (23)  
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<220>  
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<223> n equals a,t,g, or c

3091

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<220>  
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<222> (33)  
<223> n equals a,t,g, or c

<220>  
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<222> (36)  
<223> n equals a,t,g, or c

<220>  
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<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

3092

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (338)  
<223> n equals a,t,g, or c

<220>

3093

<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (421)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (483)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (506)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (521)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3094

&lt;222&gt; (529)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3529

```
gatcncntgc attcantacn gtnttaaata nnnacnnnan ttgngangac tataactcgn 60
gtgtctactg gacctcgga accaaccaat ctanaccttg tcagccngat agccaaccct 120
aggcgaaanag agccccacct agggggggccc cacctctcgc tgntggngct cgcgtgtccg 180
taactctttg caccctttta actgtggtaa ggnagaaggt cccctcctggg agaccctgng 240
cgnacgcgaa ncaccgtgcc tcagttctcc aatgtaacaa ttggactcgt ccttgctgat 300
caagtcgggt cttggnatta gcccctaggc tgtccaant cgcgacaag cangaggaa 360
tagcaanngg aggcctagat tgggtagggg tatgagggtg cgttggttnaa cctgtctctt 420
nggcacccct ctntctctct tcttggccac cccttangca attttgggca attggtcccc 480
ttngacctcg tgttatgcca attctntcca atttaaccat ncttggaant tggc 534
```

&lt;210&gt; 3530

&lt;211&gt; 56

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3530

```
gggtggcngca gtctgggggtc gncgncatcn actgctcntg ggccaggcat ggacaa 56
```

&lt;210&gt; 3531

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

3095

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3531

```
ggctggcata gtggtgcaca gtttactgta acagctcagc ccacctccag cagacagtgc 60
catccaggaa accaggcgct gccaggaatt ccagccctgg cccacacctc ccttcagcag 120
tccgtgttgt ctgggtagtc tgtggccagt gtagccctgt tgcagagtga ggtctccgct 180
gaaaggagaa ctggcggtgt cgttgtttga aaagaatcag gccccagcaa ggttcactgg 240
aagctaacac tggacgcagc agagtctggg tctgacagga ggtcagcgct accattttga 300
gggtgatgga catgttttct gcactctagc actgtgtgga agcgctggct gacagcagcc 360
tggctgtccg aattccaaag aaatgggctc cttctaaata ttcagggtgct gctgcatact 420
cgggagcaca cgctttcctt gcccttgcan gtgggggtgt cctt 464
```

&lt;210&gt; 3532

&lt;211&gt; 463

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (409)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3532

```
ggggaaataa tagggaaaat acctatttta tatgatgggg gaaaaaaagt aatctttaaa 60
ctggctggcc cagagtttac attctaattt gcattgtgtc agaaacatga aatgcttcca 120
agcatgacaa cttttaaaga aaaatatgat actctcagat tttaaggggg aaaactgttc 180
tctttaaaat atttgtcttt aaacagcaac tacagaagtg gaagtgcttg atatgtaagt 240
acttccactt gtgtatatatt taatgaatat tgatgttaac aagaggggaa aacaaaacac 300
agggtttttc aatttatgct gctcatccaa agttgccaca gatgatactt ccaagtata 360
attttattta taaactagggt aaaatttggt gtggtccttt tagaccacng atgcccntnc 420
anaccccatc ttgctotaat gatcaaaaaca tgcttgaata act 463
```



3096

<210> 3533  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (483)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (487)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<400> 3533  
ggggcagggc tgagagcttg gcagagactg gaccatggcg tccccgcccc agggctcgct 60  
cgtgtccaaa gccaaactcca agctgtgaac actgtaagcg ctcgagtcct cctgggcagt 120  
gcagcaccgc ggcccccgcc cgcaagcctg cttggcgag cgccttgctg gcagccggcg 180  
cctcctagcc cgccctctct gggctggctt gggtctctcg cttactctac tctcctccgc 240  
tctcggtcaa ggtcggcggc cttggatgct cgttcgcttc tctttttaaa atgtcttttt 300  
gtccctcccc acctctttcc tgtgatcatt tattcactcg gtccccgccc gccaacacac 360  
acatttatga acccccactt ttttttctct tctccttttc cttcccctcc tcagggagcc 420  
tctctnttca gtcagtccat ttgtcccttg atctggcctt tggtgtcctt aagtccccac 480  
ggnttnntnt tcacaagatg aataaaattt 510

<210> 3534  
<211> 466  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

3097

&lt;400&gt; 3534

```
gcatatctga gctgtgtatc attttgtact ccatagaggg gctattgtga agccacagcc 60
aaaatgttga tacaaaagat acgttctaata acttattcat tcattgacta tatgagaata 120
gctcagggcc tggtaaaact ctggcaaaca agagatattg aatgaagtag gggatggcta 180
atgatatttg ggaggttgag accagaatca gtatttggac aataatggag taatactgca 240
ggttgtcttc ctccagtctg tccctaaaag aagagcaatt tagaaaatgg caatacccag 300
caatgtgttt aaaatgctga gcaagtcgta aaaagaaata tcttgtccac gttatgctga 360
ctatcagagg tctcctgggtg ttgcactgtt actgggagca ctgctaccat ctttaaaaaa 420
gtaaatccct gctatttgcg atccccctgg ggctcctgtg tnaaaa 466
```

&lt;210&gt; 3535

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (320)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (440)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (441)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3535

```
ggaagattta aggaagaaaa cttttcgatt tcctttgaaa aatagaacac aaaactggct 60
tgtaaagtgt tttagaatga tgaataagtc attaattaat tcagtgcagt atgttttcta 120
ggatccctct ggctgttggtg ctgagaacag aaggggtcaa gggagtgggg gagtaaaaat 180
ggaagcaggg tgacgcgatgc aggagtccag acaaaaagacg ggtgattttg ctcaggttgg 240
tagcaacaga ggtaatgaga agtagttgga ttttggatat attttgaagg aaggacctat 300
aagatttgcg gatggcttan aagttaggta tgagttaagt caaaaatgat accacagttt 360
ttggcctgaa caactggaag gacagaatta ccattaactg atatggggaa gaccgtggaa 420
agaacagttt tttggcattn ngataaataa tacacn 456
```

&lt;210&gt; 3536

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

3098

<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (440)  
<223> n equals a,t,g, or c

<400> 3536  
gggcctccat aggagtgaca ttgtctggtg tcagaagctt ggcaagaggg gaggatgatc 60  
agaccctgca tggacagttc gaattggagc tctctgcaga gtccaggaag agagctctgg 120  
atgggagggg agccatgggg tggaaaagat agcttccaat ggaaggcagt gaaaactcgc 180  
cataagtga ggagaagaag gaggccaagg agagggggca ggaatggcag ccggcagcca 240  
ggcggtcagt ggagcaggtg ctcaggaggc ccacaggaga gcttcgtgga aggagtggac 300  
agtgtctgag gcaaggggca aaaggcatct gctggagctg gtgaccccag cttggtgccc 360  
cccaaagcca gagtacgagg ctganaggat gcaggtgtcc tctaggagg tttgagtcac 420  
aangcacgag gcagaagcan tggggga 447

<210> 3537  
<211> 378  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3099

<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)

## 3100

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<400> 3537

```
ggacctgata aggggaagatg aagaataaga aatgcctttg ggacatncag atatgaaggt 60
ggaagaagtg gttggtgctc aaggaagggg tctgagctag aggtagcaat gaggtgtgaa 120
atatntatgg atggaagttt aagttacggg catngtgctg ttacttacag agagagacca 180
nagtgatgag gatgnttaag attgancntc tgaggatcnt tnacattgaa aanncanngt 240
ataanatgat aagncagaaa aaggggcaag antgtaatca gagaggtaga gaataancta 300
gttaagtata tanagnatgc aaaggacagg gagcatttct ggaaatggng atcagggtta 360
aaggctgaca gatggnaa                                     378
```

<210> 3538

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

## 3101

<220>  
<221> misc feature  
<222> (452)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (456)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<400> 3538  
ggaaaaagaa aagatggact agtggttcaga tgctttcctt gattcagaat cagcatgcct 60  
cttaaatact gaatatacta agatacacia aacagtaatt tagctttttc atattgatac 120  
atgaacttag tatttgatct cagcaaattt agtaaaataa tcaggagctt ttgatttgcc 180  
acaaaaaatc attcctctaa actttatgaa ttgagaaaac ttgtctttat ttgatgattc 240  
cagttttgat gttttgtggt attggtgaag ttcagaaact cagaaacata gttgattcca 300  
tagaaaattc aattcttgaa gagtagaact ttgaagggtgc aggatgaata tgtgtgttat 360  
gaatatgggt catactttat gcttatgtaa ctgaacatgt anttttactg gggcttccct 420  
ttcttcattg caaaaataca acttatcctc antacntaat ttattgacta ctacacnta 479

<210> 3539  
<211> 142  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>

## 3102

<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<400> 3539  
ccgactactn tagggaaagc tggtagcct gcaggtaccg gtccggaatt cccngggtcga 60  
cccattcgtn cggtaaaaaa ccgtaggtc ctggnattna tnaaatcacc ttgttagaa 120  
aatgctgcgc cttttaatgt tg 142

<210> 3540  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<400> 3540  
ggcagagct cgtgccggg ccatagctgt tactgaagga agtagcctac gtccagcct 60

## 3103

```

acaactgaag tctcttgaca aacacctcac ccctgcctcc gggatgaaag ggggtaacct 120
agacctgaat gggcttgacc atctcacaac tgctcgcggtg acgaccgcat tcgtggcagg 180
taagaagatt gctgtatcaa ctcaagaaag cagtaacttc actgtctttg tattttgaat 240
tgcaacaaca actgtgntat caacaatgaa gcaatgatata ctaagaacaa aagagtattt 300
gccaacagtc atcataanat caagtgnntg nataaggcag aacaagctgt cacagaccng 360
tgcgtcanta atatatgggg at 382

```

&lt;210&gt; 3541

&lt;211&gt; 460

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3541

```

ggaactagcc cggttgatga gcatgttgat attaacggcc tggcttggcc aaagcttccg 60
gccagcacg ctttagcatc agctgggttat tctgagaaca ttcttttcaa aacactctac 120
aggacaaaca ggccgagagg ttcttttgtc cacagctggc ctctgaaact gagcagactc 180
tcaaagggtt gagaagaacc ccgaggaggc tategtctgc actcagaggc tgaaacgttt 240
gaaaacaggt gcgggagggg gcggggagga tggtcagtga cagcacattc ttcagcaaac 300
atgtgtcatt tgtgctttta ccagagcgga gttttaattc ctaaaatata acagcctggg 360
gcaggggctg gaagaagagg gcgcgtttta tgtgcaactc tgctaagggc ttggttgctg 420
aatgaaaggt ttggttccat ggaggttcag gtacctttcg 460

```

&lt;210&gt; 3542

&lt;211&gt; 125

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3542

```

aaatgaaaac accatagttc tgctcagata acccaaattc actaatgttt tactgttcga 60
tataaaataa aaatgaaact atgtcatgct gataatgttt accaagttat acttgaaata 120
agtgt 125

```

&lt;210&gt; 3543

&lt;211&gt; 500

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3543

```

ccacaaccat atgatgagag atacagggtt taaacatgga caactcctgt taaaaccttt 60
atcaatgtgt tcatcaactc agtaaccaca gagttctgtc aacagctaaa aagagtttag 120
aaaaagagga agagctttgt ttgtttactc ctttgctgtg tacatccaaa atacaatggg 180
gggagaagat ttgtttctagt ttttcccaa gatactcctt agggaaatgca ctcaaaagaa 240
caaaatagggt tttctatgac tccacagaaa tagaatctgt agtattattt ttgcttaaata 300
gtgattagggt gtgaacattg ctttgttatt tgtttcctga ttccagattt ggaatanata 360
gcccttgata caggatttgg agaagatttt ggtattaatc aatcatagac ttcaggagat 420
gatttcaata ggtccttttc tgggaatttca tttcagtata gaaactgtat gggcagaatt 480

```



## 3104

tttattatta ttattattat

500

&lt;210&gt; 3544

&lt;211&gt; 358

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3544

```
cttaccaagt ttaaacacaa aatttatcat aacaaaaata ctactaatat aactactgtt 60
tccatgtccc atgatccctt ctcttcctcc ccaccctgaa aaaaatgagt tcctattttt 120
tctgggagag ggggggattg attagaaaaa aatgtagtgt gttccattta aaattttggc 180
atatggcatt ttctaactta ggaagccaca atgttcttgg cccatcatga cattgggtag 240
cattaactgt aagttttgtg cttccaaatc acttttttgt ttttaagaat ttcttgatac 300
tcttatagcc tgccttcaat tttgatcctt tattctttct atttgtcagg tgcacaag 358
```

&lt;210&gt; 3545

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3545

```
gtttggcgtg acatacctgg aggactattc ggcagagtac atcattcagc aaggtggctg 60
gggcactgtg tttagtcttg agtcagagga ggaggaatac cctggaatca ctgcagaaga 120
tagcaatgac atttacatcc tgcccagcga caactctgga caagtcagtc ccccagagtc 180
tccaactgtg accacttcct ggcagtctga gagcttacct gtgtcactgt cggctagcca 240
gagttggcac acagaaagcc tgccagtgtc actaggccct gagtcctggc agcagattgc 300
aatggatcct gaagaagtga aaagcttaga cagcaacgga gctggagaga agagtgagan 360
caactnctct a 371
```

&lt;210&gt; 3546

&lt;211&gt; 367

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 3105

<222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (18)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (329)  
 <223> n equals a,t,g, or c

<400> 3546  
 ctccnncccc ccacactngn gtaccacaaa gggcacatcc ttgtcacctt tgccccccagc 60  
 cccccagact ttcagccaca gcttctttct caactgaaga cctggggaag ggggtgctgtc 120  
 tgtgttcttt cttccacttc tgccctctcc tagccttgag ggtagatggg gtgggttcttc 180  
 agtattggat agtgcctgct ctgcggacaa aggagaagtt taaattgtcc gtagagaagg 240  
 gcatatgatt ggggcctttg ggaaatggta ccagggtgaga agggggagca tggaggaaaag 300  
 atgtaatggg tactccttct tttcaaagnc ttatccttta aaggaaaggc ggtctctgga 360  
 gaaactg 367

<210> 3547  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<400> 3547  
 caccttcaaa ctgtcacttc acgcaagact ttaaaactgg ataataatat tgcctcatta 60  
 tgttaacttt tacggatgtg aaaagaatga tccctaaaag tataatcata attgttatct 120  
 aataactatt ttaattcagt gtgaacatat gcatattctt atattacaat ttctaaaata 180  
 ggaggcttga gagatgctat agtccattct ttgaatgttc tgatgaagcc caaaaagagt 240  
 tagtaaaactg cttaacataa catggggact ttgtgtcaga gcattcagat gaggcttaag 300  
 atatacttgc cctgcattct tctaataatag agtgatagat gactttttaa aatgtataaa 360  
 gcatctaaag gctgcacctg gagtgatact gaagtaatga ttttaacttac ataaaagctt 420  
 cttttttctt atttaaacta ggaaaacctc tg 452

<210> 3548  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (22)  
 <223> n equals a,t,g, or c

## 3106

&lt;400&gt; 3548

```

ggcagagata ggatacattt gnattctttt ctattttaat aggaactatc atttcccagc 60
atTTTTaagg atacaatctc ctaattaaat ttaaatagata taatataccta attaaacagt 120
tattataaaa agtatagtgt gctccctaac ttttgacatt tcaaattttt aaaagaaatt 180
taaaacatca ccactagcct gcactaggag cagcctgtaa taacagtttt taaaagcttt 240
ctgaactatt tgacaagatt tcttagtgct gaggccatat gctgtagcct ttaagctatt 300
tcttcctatc agtttctatta tcacctgcct ctgagtctcc aatatcatca gtaagcacat 360
gcagaatcat aattatgccca tgtacaagtt ctttgataac atgtacagtt ttcttcttaa 420
ttctttatca aatgcattga tcgtgg                                     446

```

&lt;210&gt; 3549

&lt;211&gt; 531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3549

```

ctctgagctg ctgccacctg ctgggctgga gctggagctg gagctgcgaa ttcggagtcc 60
cggttccctg tgccacctgg cgagctcagc aaactaaaag tctctttgtc ttcacgtttt 120
ccggcactga tgtgagcaca tcataagcac aagacctgga cacctttaca atcagagggc 180
ctaggactgg agctctggat ctgaccggag caaagaggaa gcacgcaaat ccggacatga 240
cgacgaggag gcagtagaga cccatcctca actgttcttg tcttagagcc tctttcccta 300
cttctaaatg agtggaaagc caccacaag cccgtgagtg aggatgccct tggtaaacc 360
aggtgatcac accctgggca ggccctgccc cacaggggcc catcccgctg ctcccagcc 420
tgtctcacc aactgcccag gcaggagcaa agcccacggg gaggacctgt gaccacaggc 480
aaggaccag gacccagcc ccagggattt tgacctcaag aaaggaaaca t          531

```

&lt;210&gt; 3550

&lt;211&gt; 531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3550

```

ggctaagcca ggactgcttt tctggagtga taatgtgctt gcctgtgtct aagagaaagt 60
accctggctg ataaatggga cttggatttt aaataccatt ggataataaa tgtatgtgat 120
ggctttggag caaattgatt gacaatggct aggagacagc ttcccaaggc tggaaagagg 180
ggagtgcgga acatgcctcc accataccac tgcccacctc ctgtgacctc tgcagcaaaa 240
cctgaagccc caaagaggca gcttctcaaa gtaaaagtgg aatgaagttc ctggtgacct 300
gaattcccat ggaggaaaga ggaaaaggac attatgcaag gagatggcat ctctgtgtcc 360
tggtgaacca attccattag gaagacggtg cagtgtgagg tggacctgga cctggataaa 420
atgggtgttt aacaagtatt tgttgagtag gtggtggagg aggcacgact agatgcaggg 480
tctagctgag ttgacaagag ctaacaccag gtgtggacca ggacaggggg a          531

```

&lt;210&gt; 3551

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

3107

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 3551

gactcatctc atnaaggga caaagatgng ctccaccngg tngggccgct ctagnaacta 60  
gtgggtcccc cggtctgcag naattcggca gngcgnccctg ggctccagct ttggctctgg 120  
cgcggtctcc agctccttca gccgcaccag ctctccagg gccgtggttg tgaagaagat 180

## 3108

cgagacacgt gatgggaagc tgggtgtctga gtcctctgac gtcctgccc agtgaacagc 240  
tgcggcagcc cctcccagcc taccctcct gcgctgccc cagagcctgg gaaggaggcc 300  
gctatgcagg gtagcactgg gaacaggaga cccacctgag gtcagccct agccctcagc 360  
ccacctgggg agtttactac ctggggaccc cccttgccc tgcctccagc tacaaaacaa 420  
ttcaattgct tttttttttt ggtccaaaat aaaacctcag ntagctctgc c 471

<210> 3552

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (541)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (685)

<223> n equals a,t,g, or c

3109

<220>  
 <221> misc feature  
 <222> (717)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (720)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (741)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (755)  
 <223> n equals a,t,g, or c

<400> 3552  
 gctgggtattg acgcaattat attaggaaaa aagttgggttg actgttttttg ttttaattgac 60  
 ttctaaaatg ttcaaattgt ctagttctaa aagtttacta aatgcctagt gcagttaaac 120  
 atactcttgt ttaagtgtgt gttgctaaat tttttactgt cattactaaa taatctgtgt 180  
 ggcaaaatgt gtgtcagcac ttttccctcc tttnttatct cctattttca ggagtcaa 240  
 gtagccataa actgtatcct tgtctgacac tttagctaaa aatttccagt taggggagtt 300  
 tattgccaaa ttaaatttgg ctgttccccc caaccatat agatattaag gaagggtgtac 360  
 ttaaaaaatg tttggactgc ttttaaaacc tgagcaatgt cattaatcca tatgtggact 420  
 antgatgaat anatattttc ataagagttt aaatgctgat atttggtgga agtanagagt 480  
 aactcatatt ctatcaattc aagtattctt actatgggttg ctttccctat ttgttcaata 540  
 nactgataat actggaattt atanagtttg agccattaca acttttgtga ggatgtgttt 600  
 caaacatttc tggacanatc ttatttttga tttctggaaa aatgttataa tcttctaaaa 660  
 ccgcttaaaa accaatgctc ccaanctgaa tattcttgaa aaaatttggt tttattnatn 720  
 ccatttgaca tttccaatca ntgctccata tacant 756

<210> 3553  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (173)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (175)  
 <223> n equals a,t,g, or c

<220>

## 3110

<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 3111

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<400> 3553

```
cccacgcgtc cgcccacgcg tccgtgaaaa tcaagatcaa gcgagctttt gcccttctgc 60
tccacgggag gtttctgtcc tccctgagct cgccttagga cacctgcgtt accgtttgac 120
aggtgtaccg cccagtcaa actccccacc tggcactgtc cccggagcgg gtngngcncg 180
gnngngcgcg ggccggggcg ttggcgccag aagcgagagc ccctcggggc tcgnccccc 240
gntcancggt gtcagtga aaacgatcag agtagtggtt ttccaccggc ggcccgcaag 300
gancgngaaa cccgggnccg gggccccttc gcgggggaaaa cgggggggng ccngggg 357
```

<210> 3554

<211> 59

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 3554

```
gaatccggc tccgancccc ggactcgcgc ccgcncgcac gcccgacct tnnccctcc 59
```

<210> 3555

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature



## 3112

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<400> 3555

gagcttgnag ggaacgaact tgntagaata cttggnaaaa gagaaactaa ngaaagaagc 60  
tgccaaaang cttgagcagt caaaagaggc agatatagat tccantgatg anagtgatat 120  
tgaggaagat attgaccanc catcagctca taanac 156

<210> 3556

<211> 482

<212> DNA

## 3113

<213> Homo sapiens

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<400> 3556

```

gaagatattt atctatgaag atataaatgg tgcagagaga ctttcatctg tggattgcgt 60
tgtttcttag gggtcctagc actgatgcct gcacaagcat gtgatatgtg aaataaaatg 120
gattcttcta tagctaaatg agttccctct ggggagagtt ctggtactgc aatcacaatg 180
ccagatgggtg tttatgggct atttgtgtaa gtaagtggta agatgctatg aagtaagtgt 240
gtttgttttc atcttatgga aactcttgat gcatgtgctt ttgtatggaa taaattttgg 300
tgcaatatga tgtcattcaa ctttgcattg aattgaattt tggttgtatt tatatgtatt 360
atacctgtca cgcttctagt tgcttcaacc attttataac catttttgta catattttac 420
ttgaaaatat tttaaagga aatttaaata aacatttgat agtttacata aaaaaaannn 480
nn

```

482

<210> 3557

<211> 60

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

3114

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 3557

tncaagatgn cggagcagga gtnggtggct cagttgtaca tgaccctgaa ggncnaggag 60

<210> 3558

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<220>

## 3115

<221> misc feature  
 <222> (495)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (529)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (549)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (567)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (571)  
 <223> n equals a,t,g, or c

<400> 3558  
 cccacgcgtc cgtaaatgag aagtaaaatt ttctaagtta ataaagatga agaatgggtg 60  
 actattatga tgaaccataa ctaaagtgtc tattaaagca actgagtgtc tagccctaaa 120  
 ttaaccaggt aaaaactgtt aacactaacc tgaagtttg tgaataactg ttctttaact 180  
 tattgagatg ttgcaagaaa tgcacatcca ggggtggactg ggagctatga aatgactaaa 240  
 ttctctcttg cagtgtttac cttcaagatt gtataggtaa tctctctctt tcttcccca 300  
 gtccccatta cttattgcac actgttttaa ctgactccgt tttgatatta atcaccagga 360  
 ccataaactc atcaanagga atttctggag tatactcacg actgtcnttg atttangttc 420  
 ctaaattttt ttaggatagg gtanggttgt gcctgggcag aaattccttt ttgggcctaa 480  
 atttttaact ntcntttcc ccagcttggc ctggagtcct ccccttaanc cgggggtttc 540  
 ccccttaanc acccaatgga tgggaanccc ngg 573

<210> 3559  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (180)  
 <223> n equals a,t,g, or c

## 3116

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<400> 3559  
ggagnaattg gtcaaaagtg gctttttggt tccccaaggg gaaagactgg ctttgtaatt 60  
ataatttttt ccttatttat ttacttaaa actggtagag tctaagtatt atatgaagtg 120  
cccatgattc tgtcagtaaa ttgaacata tttttattag ttaatgtcag ttaagttgn 180  
ccttttggtt gnttctattt ttaagggtgaa ttttaatttc tatctgaaat cagttaagat 240  
accttgagaa aaactgcagt gagaggagat aaatatcctt tttcaggagg aactgatatc 300  
tctggctaaa tatttgcctt ttattatggn ttctaaatca gctattntct tcagctttaa 360  
tttcntaaaa ttaannaact attttaaaaa ttctgtaga tgggtggaaat aantaaaaat 420  
tcctggcgca gtggg 435

<210> 3560  
<211> 409  
<212> DNA  
<213> Homo sapiens

<220>

3117

<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<400> 3560  
gattcttttt ccctttcgtn actttgctca tgtactgtat tccttcaact tcattaatga 60  
atccatttgg aagcagtga aaaggcaact cagaaagcta agaagaaata gatagaggaa 120  
tactcagagc tatctgagta ttttcttttag tttgttagct ctttggagct ttgaaactgg 180  
aaagaccag ggagtgatgt ggagaaagag actgagcttg taagacacag gagcagtga 240  
ctaagggaga tggagnagtg gggacaaatt ctggcacatt ctgtctacac tctgggtaga 300  
tagaggaggg aggatggagc acccatggag ggggtatgtt ggtgacagca ttttcccacc 360  
agccagnngt aacaagnngc tgatttgggg gaaangatgg catcacna 409

<210> 3561  
<211> 101  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (43)

3118

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<400> 3561

gaagaaagct acatgaatta attgtactct atgggaaaat ttntttggaa agatattttg 60  
naaaantttt tttccaagt anaaacttta tgaaacttgn t 101

<210> 3562

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

3119

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3562

```
gagataaggt tcaaaagtgt tataagaaga tattcctttt tttgtcctag agaacttatt 60
ttcctgtgaa aatgcctacc acaaagaaga cattgatgtt cttatcaagc tttttcacca 120
gccttgggtc cttcattgta atttgctcta ttcttgggac acaagcatgg atcaccagta 180
caattgctgt tagagactct gcttcaaagt ggagcatttt catcacttac ggactttttc 240
gtggggagag tagtgaagaa ttgagtcacg gacttgcaga accaaanaaa aagttttgca 300
gttttttagaa aatactgaat aattccttnc caaaaaaac ctntgncatt tcggggggan 360
tattcctggt tccctggngc ctgaagtttg aat 393
```

&lt;210&gt; 3563

&lt;211&gt; 333

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (143)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3563

```
gaaaagaact ttcgagactt agaaaagtag ccttcgtatg ccagatacta gcatattatt 60
agcaatctag aaaattcagt tgtatggcct ggctcattct ctgatactgg ataaaatgat 120
tcataatcat taattcaatt ttnattagtt atgttccaaa atgncactga gtatttttaa 180
caaaagtagt aggtaagata actgactata aggaatgagt acagtaattt tcctttttct 240
aggncaccaa caatggctgg aggtttgttt gccatgaaca gacagtattt ccatggaact 300
tggacagtat gatagtggca tggatatctg ggg 333
```

&lt;210&gt; 3564

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



## 3120

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<400> 3564  
cacagangca catcagtccc gangcttcct gtgaggttna cgctccgcag cccagcccag 60  
ccgggagacc acgtggccat tggcggtnct ctgaccttgg gccagtgaan ctgccagcct 120  
tccangagca nggcggccgg agagctgccc ctgnagta 158

## 3121

<210> 3565

<211> 76

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 3565

tcgacccacg cgtccgccca cgcgtccggt gnttagtata cccgncctgt gggengcnc 60  
agtnccccct cctaag 76

<210> 3566

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 3122

<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)

3123

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (387)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (394)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (405)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (432)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3566

```
ctatntggaa agctggccgc ctgcaggtac cggtcaggaa ttcccgggtt gaccacgcn 60
ttnggttttt ttcttcagta acaanagaaa cccnagttgg gagtttaaca aataactgac 120
taccactcac tcatgcattt ntattttcaa ttaaagcaaa gcaactgtgt gtgctcagat 180
aataatagtt ngtaagnaaa agtttttagt tttcagtgnt cagggttatag aatataactg 240
accataaaaa ttacctgcag gtatttnactt tttatgaact agntttttaa ttaccaagna 300
attactggtg tcattttgnt ttatgacaga nacacgtatc taacaaacaa acaaacagtg 360
ancttctcca tgggtcaagg acttccttac aatntctcct gagtnaactt ttgtgaaaat 420
aatacctaag gnt 433
```

&lt;210&gt; 3567

&lt;211&gt; 454

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

3124

<220>  
 <221> misc feature  
 <222> (402)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (406)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (407)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (439)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (440)  
 <223> n equals a,t,g, or c

<400> 3567  
 ggggggtcca gtctgtgatc cttggtgctg tgtgccccac tccagcctgg ggacccact 60  
 tcagaaggta ggggccgtgt cccgcgggtgc tgactgaggc ctgcttcccc ctccccctcc 120  
 tgctgtgctg gaattccaca gggaccaggg ccaccgcagg gactgtctca gaagacttga 180  
 tttttccgtc cttttttctc cactctccac tgacaaacgt cccagcgggt ttccacttgt 240  
 ggggcttcaa gtgttttcaa gcacaaccca ccacaacaag caagtgcatt tcagtcggtg 300  
 tgcttttttg tttgtgctaa agtcttacta atttaaanat gtgtcggcac cagttaatta 360  
 atttccatgg tcagtcagct tgctgtcttc gtgcgagtcg angctnncct gttgggtcca 420  
 gcagcagggc atcatgtann tggcgacagt gaac 454

<210> 3568  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (373)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (382)  
 <223> n equals a,t,g, or c

## 3125

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (431)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

<400> 3568  
gtctggccga gatcggcgcc gtgactctgg tcagcgcccc gcgtccagac tctcggcacc 60  
acagcctggc cctgacatcc ttcaagcgcc agcaagagga gagcttccag gagcagagcg 120  
ccttggcagc tgaggcccgaggagaccgctc gtcaggagct cctggagaag attacggagg 180  
gccaggctgc taagaagcag aaactagaac aggcttcagg ggccagctca agccaggagg 240  
ccggctcgag ccaggctgcc aaagaggatg agaccagtga tggccaggct tcgggagagc 300  
aggaggaagc tggccctcg tcttcccaag caggaccctc aaatggggta gccccttgc 360  
cagatctgct ctncctgtcc anctggccac tgcaggcctc gaccgggtcaa ggncaggccc 420  
ctggactggc ntgtccagtc taaagactgg cccaccggg cgcct 465

<210> 3569  
<211> 68  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>

## 3126

<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<400> 3569  
ggggagacnc gcgggtctgg ctgcgagaga ccatgggggc tcagctaagc ggcngncgtg 60  
nctgccc n 68

<210> 3570  
<211> 387  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (370)

3127

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<400> 3570

```
taatggngaa tggnaaattg taagcgtaa tatTTtTgTta aaattcgcgt taaatttttTg 60
ttaaattcagc tcatTTTTtTa accaataggc cgaaatcggc aaaatccctt ataaatcaaa 120
agaatagacc gagatagggT tgagtgtTgt tccagttTtg aacaagtagt ccactattaa 180
agaacgtgga ctccaacgta caaagggcga naaaccgTct atcagggcga tngcccacta 240
cgtgaaccat caccctaattc aagTTTTtTgT gggtcGaggt gccgttaaag cactaaatcg 300
gaaccccaaa ggnagccccc gatTTttagag cctgacgggg gaaannccgc gaacttggcg 360
agaaaagcan gggaagaaac cnaaaga 387
```

<210> 3571

<211> 232

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c



3129

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<400> 3572  
tttgcaagtt acttgaaaag gtttgtgatt ttccaacgcc ctgagtaatt ctagccaaaa 60  
tgcgtagact gcctcacact agatgcttgc tgtaattgtg tctctgtatt aaactgaccg 120  
ttctttggag cttcggaatg gaccaggagg aaaaggtaaa taccaacctc gntacaacct 180  
cagaggnatc aacgncctcc tgctacagac gcattctgttc tcgcctggnt cctgccggct 240  
gccctgggag aggccacaaa atgccctcca cggngacaag gncctgagaac cttcgggacg 300  
gccgctgccg 310

<210> 3573  
<211> 152  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)

## 3130

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<400> 3573

aggactaagt nctcattgtn caaatagagc tgttcaacat cactaaaaca tttaagaaaa 60  
gccctganat cagtnattcc tacaagttta ngtagtagac agntactatc cagctctaag 120  
tctcaactgc tctttaatac tgtacttttn tt 152

<210> 3574

<211> 141

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

3131

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<400> 3574  
tagaacgna ctccgtgcag agtaccggtc cggaattccc gggtcgaccc acgcgtccga 60  
gcatntctan ttgtctcaac ccttnaagca atatgtatta taaactcnga gaacagangt 120  
gcaatgtgta tgggaggaac a 141

<210> 3575  
<211> 133  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

## 3132

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<400> 3575  
ttggaanacc gcctannaag gacgcctgca ggtaccggtc cggaattccc gggcccaaca 60  
gatngcgcag cctgaatggc gaatgggacn gctccctgta acaggcgcac taagccgcng 120  
cggngtgtgg cgn 133

<210> 3576  
<211> 544  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>

## 3133

<221> misc feature  
 <222> (248)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (461)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (493)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (526)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (529)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (539)  
 <223> n equals a,t,g, or c

<400> 3576  
 gcgtctccac ttgtggaaag ccacaggaag agaaggnaan accagcgcat gcccagtggg 60  
 aacgccgtgc tccatggncg tggagggcac gggtgccacc cacaaaccac accangaggc 120  
 gctgcagcca ccagggcccc aggtcgttt tcctttatag ncgaagcaaa aaacacaaga 180  
 ccctccgecc gagtaaattc ttcagccacg aagggatgga tgtgcatctg ccctaagtca 240  
 gattgaancc tcctcctagg ctccaggagg agcatgtgca ggaagggttg gcctgacca 300  
 aaaccggcac ccagctcct tcctccagct ccccgaccc accggccctg acctggcttc 360  
 ccctcggtctg tgtagggaca aagccgaagc ccagtgccat gactgcccgc ggattgaaaa 420  
 acagaaacac aaaactttga ctttgacttg cgaaattgaa ncaaggtttt catttttact 480  
 ctcccttggt tttagttctc agaaaagaaa gaatcctgac cttganaang aaggcccant 540  
 tgaa 544

<210> 3577  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (260)  
 <223> n equals a,t,g, or c

3134

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<400> 3577  
gcattatcct gttcagagct tggagatgta caagggacat aggagcaatt tacactgaca 60  
cacagctgct gtaccagtga aaacgaggct ttgcaagctt gtacctacta tataacatgt 120  
gcttggttga tggccatgca ttttcagtca gaatttatat ataaatatat gcacccattt 180  
ttttgagtgc atataattta gacctaaaaa tccttatgat taggtgaaac accaaaaata 240  
taaggaaaat aacacaacan aggaatagct tagcctgaac agngngatgg ncccagctac 300  
tacatcagat gcggtttttt tgctccctta tggtcttcgg atatggntat ggcattngna 360  
ggcttggagg taaagaactg aanataactg gngctggata gaggagcctt at 412

<210> 3578  
<211> 89

3135

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<400> 3578  
gcacggggccg gaggtcccgg ggctgctggg cgcgggcngt gggctgcgcg nngaccgntg 60  
gactgggncc cgggcacgcc ccgccaagc 89

<210> 3579  
<211> 270  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

3136

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (241)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (249)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (269)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3579

```
gcccacgcgt ccgcggtacg cgtgggcaag cacctaagtt ttcgggggtga cagtcacctcc 60
ccctcaccct ttgcagaggt aaccacagggc tggagtcggg agaangctga tgacatanat 120
tccaatccct gctcctctcc atctcggacc gttggangca gggcctgcac cccagtggga 180
agcaaaggaa gccaccgctc aaagacaccc cccacccaa aaaaaagggg aaaaaaana 240
nactcggtna tngacaaacc gggttttant 270
```

&lt;210&gt; 3580

&lt;211&gt; 123

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)



## 3137

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<400> 3580

```
aatcacactg tncaaacctt cttctctcct gttaacaatg ggcaancccc caactatata 60
aatattcaca gagnaagaaca aantgtgtgt gttngggggg cccacaaaac cngttctccc 120
cac                                                                123
```

<210> 3581

<211> 97

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 3581

```
gcgagcgctt gggcgggacgc gtgggcgggac gcgtggggcag gaagatggaa tgcaccaact 60
ctcngtctct gtgggtacat gccaggcctg tccattt                               97
```

<210> 3582

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

3138

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>

3139

<221> misc feature  
 <222> (182)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (199)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (211)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (240)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (265)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (271)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (273)  
 <223> n equals a,t,g, or c

<400> 3582  
 gcttctttaa attaacgcac tnccacttaa ttagngggaa aaaagcttgg gttaccgcct 60  
 ngcnagggtt accgggggtcc ggggnaaatt tccccgggg gtccgaaccc cnacngncgg 120  
 ttccngaact naagtttctt aagaatccgc ggaaagcggg gccngcntcc ttaagaaagg 180  
 gnatccccaa aggcctttna ccgtttaccg nccgtttggc aattgcggaa cggttccatn 240  
 aagcttcttt ccttattaag ttgntcacc ntnaaaaatt tcaaatttcc actggggccg 300  
 gtccgttttt aacaaaccgt tccgtgaact tggggggaaa aaacc 345

<210> 3583  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

3140

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<400> 3583  
accctnctnc cactttaatt ttttanaaga aaaaaagctt tggggggttaa ccgccctttg 60  
ggngaccctg ttaaccnngg gggtttcccg gggaattt cccccgggg gggtttccgaa 120  
ccccnacnng cggtttcccg gcggggaacg gncggtttgg ggggctt 167

<210> 3584  
<211> 343  
<212> DNA  
<213> Homo sapiens

## 3141

<220>  
 <221> misc feature  
 <222> (164)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (308)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (309)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (311)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (314)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<400> 3584  
 gactaattat aaatagctgt agttagtgag acatatgcat atttctgtgt acttgttttt 60  
 ataaaaatgta tttgattaaa ttgactttta cctgctatat gatattattc tctttcttta 120  
 tgggttatcag ggaaagaacc acaaagaaac gggttcttaa ggancaagtt aggatgttct 180  
 ttggtcactt gaaacaaaa ctgaatgtct ttcaacccaa ctgaatgttc ttcataaaat 240  
 actggaatta aatgaaggga actgcttatt ctaattctta tatcagtttt aaaaccatat 300  
 tatttttttna nccngaaaac cggaaggatn agttccctcc cga 343

<210> 3585  
 <211> 65  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (12)

## 3142

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<400> 3585

gggggtttcgn tngcgaggac tcttcgggga ngtaggcctnc gcttgatac actgcgaccc 60  
ccgag 65

<210> 3586

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

3143

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<400> 3586  
ttgagatggg nggtotaatc tcnatttact aatangggaa nctggtaccc ctgcaggtag 60  
cgggtccggaa ttcccgggtc gacccacgcg tccgggggaan gtnagctggg attanancgt 120  
catgantggg aaaacccaaa gactggcccc catcttctt 159

<210> 3587  
<211> 486  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (354)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>

## 3144

<221> misc feature  
 <222> (379)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (380)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (408)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (420)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (474)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (481)  
 <223> n equals a,t,g, or c

<400> 3587  
 gcacattatc tatacaaaga gccatactca gtgaaagata aattacctcc taaactaaag 60  
 tcccctctga ggtacaacag aaattaaaat aattgnttct cttctcaact ctatgtaggc 120  
 acgtattttc catnatggga taaatgtttt catttcaagt gccaatgtgt gaactgtaat 180  
 aaacattact gcttttcattt tttgtaggta tggagggttac attaactgtt atagttgcgg 240  
 agctgaattt taatgtcagg taattntgtt tagtccaaac tggttttgaa ctataaacia 300  
 ttatggatat gtattttttg gtttctttga ccccaaaggg aaatgggggt ttangtcaaa 360  
 ttgatntttt atcaaaatnn atctgtttct caaagcaaaa tctctgtntg attgaagatn 420  
 attcattatt tacatatagg gtaaacagac tttactgcct attgagatca taantgagat 480  
 ntggat 486

<210> 3588  
 <211> 84  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>



3145

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3588

ggaaaggaag ggcgtgtcgn ggggtgtgagc gtgtcgttga ctgggaaaac ccaggntctt 60  
ctcctnnttt tggtcgcgnt gctt 84

&lt;210&gt; 3589

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

3146

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (177)

<223> n equals a,t,g, or c

<400> 3589

ccattaggaa gaanactggt acgcgtgcag gtaccggtcc ggaattcncg ggtcgaccca 60

cgcttccgca nagaagaagg tcagnanaag gtgggtcttt ccttaaangg caactcctgc 120

ccaagcccca tatcccttaa actcaataaa gtgtcccttt cattnactgg gagcagn 177

<210> 3590

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

3147

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<400> 3590  
gnntggggga aaggaaagng atacgcctgg cnggnaccgg tccggaattc cgggngcgac 60  
ccacgcgncc gcgnacgcgt gggcggacgc gtgngggcaa 99

<210> 3591  
<211> 51  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<400> 3591  
gcggacgcgt gggtagaat ggttnagcgc caggtncccc acgaacgtgc g 51

<210> 3592  
<211> 99  
<212> DNA

3148

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3592

gggggggggt ngggtntgac tnngtatttc aaatcngagc ccnataagga nttntgggtac 60  
gcctgcaggt accggtccgg aattcccggg tcgaccac 99

3149

<210> 3593  
<211> 292  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>

3150

<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<400> 3593  
gccacgcgt cgcggacgc gtggggtgct ccacctgcc aaagcagcct gcaagtccag 60  
ggcacaggct gccttttggn anggagggct ggcccatang tgctgctggc tccnnggggg 120  
naggctgggc ctcagggggg gggggattcc tntgagcac cngggggcac ccagggaaca 180  
agggcgntca gggaatcctg ctncgggcac ccctgtgccg ctggcatgan ggccgtgttc 240  
ccactgtgaa ggatgaaaga ngcaaggccc tcaangaacc gtnttctcag aa 292

<210> 3594  
<211> 110  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

## 3151

<400> 3594  
gggggggggg gnggggtntg attacggcct ctctaatacg antcactata gggaaagctg 60  
gtacgcctgc aggtaccggg ccggtaatc cggggtcgac ccacgcgtcc 110

<210> 3595  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<400> 3595  
ggaccacgc gtccgcgtca cgcgtnggcg gacgcgtngg tctaaaaaaa aaaaaaang 60  
ggn 63

<210> 3596  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)

3152

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

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<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 3596

angcantaat ggtatgcattc gggnccttna cctaaaggga aggnaagacc ggtcccgcca 60  
agtcangtta ccgtgttccg gcaatgtcca cgggntcnc 99

<210> 3597

<211> 108

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c



## 3153

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<400> 3597  
gcaatancct ggacgagctc atcctcaatg ctggcaccct cnaggtcatt gncanncg 60  
ctcactctgg acatgtccac aggnccctcc tgggaccgca cgggtccca 108

<210> 3598  
<211> 105  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

3154

<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<400> 3598  
cntcatgaga aggancatgg tacgcctgca ngtaccgggc cggaattcac gggtcgtgac 60  
tgggaaaacc cagacatat ncgtcncgga aatctagctt gantg 105

<210> 3599  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (30)  
<223> n equals a,t,g, or c

<220>  
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<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<400> 3599  
ggctnggatt ataccgtcct gactgggaan acccanttgc atnttatgct atgcgggttct 60  
tac 63

<210> 3600  
<211> 253  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

3155

<220>  
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<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (152)  
<223> n equals a,t,g, or c

<220>  
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<222> (164)  
<223> n equals a,t,g, or c

<220>  
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<222> (222)  
<223> n equals a,t,g, or c

<220>  
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<222> (228)  
<223> n equals a,t,g, or c

<220>  
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<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

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ggctaactct cgcctcaactg cggcctcccc aatccaaaanc tcctgccttt cgggcanttc 60  
ggcaagtcca actcctgcct gccaatggcc tctttaaggc caaactcatt tcctcacgtc 120  
ngncattcca agccccgttt ttcccttcgg gnagacctct tggncetetaa tttgtttatc 180  
tttttggtgt ataaatccca aaatattgaa ttttggggaat anttccanca ttatgtntcg 240  
aaanacaaaa gag 253

## 3156

<210> 3601  
<211> 102  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3601  
atcatagagg ancattgtag cctgcatgta ccgggtccgga attcacgggt cgtgactggg 60  
aaaacccaaa ccataantct gtcncgatng ncggctttac ta 102

<210> 3602  
<211> 231  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>

3157

<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
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<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<400> 3602  
gtccctgaaa agttccacca tattttgggg agtactcaac accaaccatcg catgggcggn 60  
ggnaaaatna nctttgccat cactggccat tanagggtgtg ggccaaacca tatgctcatg 120  
gtgtgtgttg caggaanagc agacattgta cctcaccagg gagggcgggg gaaactcagt 180  
ngaggatgag gtggaacgtg tgatcaccat tntggcagaa tccncgacca n 231

<210> 3603  
<211> 601  
<212> DNA  
<213> Homo sapiens

<220>

3158

<221> misc feature  
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<220>  
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 <222> (6)  
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<220>  
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 <222> (27)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (489)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (491)  
 <223> n equals a,t,g, or c

<400> 3603  
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 ggtcgaccca cgcgttcgat ttctccctcc agccagggcc caactccac ctgcctgggc 120  
 gaatctctc caaggaagtc ccaggaggat ggggaccagg aaggctgtgg acccccatct 180  
 ccagggggcc ttccagcct gatccctgtc ctccaagttc tggaggaggc cgctgtaggg 240  
 tctggctgag ctccccacc actttccctg gtcccaatcc tttcttgcc tataaccagc 300  
 tggggttgct gccctgaacg aactgcgtgt ggggccggca catcctagca ggcagcccct 360  
 ggcgcctgct gcctcagga tgcctcaacc accctcgttc tcctcgcagt ggccctggct 420  
 cccaccccca tggagaaccc aaagtcttac tgtatataac tccaggtgac gtttctatat 480  
 ttatagcang ngttgaaaac ccacgtgttt tacacagaac caccctctcc aaccctccc 540  
 ttcccgacct caacaaaacg tttttcaaac cccttacagt tcctggggca ggcggaaaca 600  
 a 601

<210> 3604  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (33)  
 <223> n equals a,t,g, or c

3159

<220>  
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<222> (52)  
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<220>  
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<222> (56)  
<223> n equals a,t,g, or c

<220>  
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<222> (57)  
<223> n equals a,t,g, or c

<220>  
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<222> (81)  
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<222> (82)  
<223> n equals a,t,g, or c

<220>  
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<222> (83)  
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<222> (92)  
<223> n equals a,t,g, or c

<220>  
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<222> (210)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
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<222> (259)  
<223> n equals a,t,g, or c

## 3160

<220>  
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<220>  
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<220>  
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<222> (398)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

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gggggggggg ggtgggtgtg cggaggggaag cngcgggcgg cggcgggcgcc cngagnnccct 60  
cgccctccgg gctccgttaa nnntccttcc gnggttcacc tacggaaacc ttgttacgac 120  
ttttacttcc tctagatagt caagtccgac cgtcttctca gcgctccgcc agggccgtgg 180  
gccgaccccg gcggggccga tccgagggcn tcactaaacc atccaatcgg tantagcgac 240  
gggcgggtgtg tacaaaggnc agggacttaa tcaacgcaag nttatgacct gcacttactg 300  
ggaattcttc gttcatgggg aataattgca atccccgatc cccatcacga atgggggttca 360  
acgggttacc cgcgcctgcc gcgtanggta ggcacacnct gagccattca atgtangcgc 420  
gtncagcccg gacatctaag ggatcaa 447

<210> 3605  
<211> 186  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (8)  
<223> n equals a,t,g, or c

<220>  
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<222> (11)  
<223> n equals a,t,g, or c

<220>



## 3161

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<220>  
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<222> (53)  
<223> n equals a,t,g, or c

<220>  
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<222> (62)  
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<220>  
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<220>  
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<222> (118)  
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<220>  
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<222> (134)  
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<220>  
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<222> (157)  
<223> n equals a,t,g, or c

<220>  
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<222> (167)  
<223> n equals a,t,g, or c

<400> 3605  
ccccgggncg ncccacgcgt ccggtcccg c aagnaggtac cggctctact gcnacctctt 60  
cnagctccac cgccggcgca agggcaaagg caaaggcaaa ggccggctngg gagattcngc 120  
cgtgaagcaa gtgnagatag atggccttgt ggtattnaag ataatcnaac attatcaaga 180  
agaagg 186

<210> 3606  
<211> 253  
<212> DNA  
<213> Homo sapiens

<220>

3163

<220>  
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<220>  
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<222> (180)  
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<220>  
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<222> (229)  
<223> n equals a,t,g, or c

<220>  
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<222> (247)  
<223> n equals a,t,g, or c

<220>  
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<222> (309)  
<223> n equals a,t,g, or c

<400> 3607  
aattcggcag aggtgatggg aagctggtgt ctgagtcctc tgacgtcctg cccaagtgaa 60  
cagctgcggc acccctccca gcctaccct cctgcgtgc cccagagcct gggaaggagg 120  
ccgctatgca gggtagcact gggnaacagg agaccacct gaggtcagc cctagccctn 180  
agcccacctg gggagtttac tacctgggga ccccccttgc ccatgcctnc agcttacaaa 240  
acaattncaa ttgctttttt tttttggtcc aaaataaaac ctcagtttag ttttgccaaa 300  
aaaaaaaaan 309

<210> 3608  
<211> 477  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (95)  
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<220>  
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<222> (299)

3164

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<220>

<221> misc feature

<222> (342)

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<220>

<221> misc feature

<222> (346)

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<220>

<221> misc feature

<222> (353)

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<220>

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<222> (354)

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<220>

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<222> (367)

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<220>

<221> misc feature

<222> (370)

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<220>

<221> misc feature

<222> (375)

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<220>

<221> misc feature

<222> (379)

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3165

<220>  
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<220>  
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<222> (387)  
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<220>  
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<222> (389)  
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<220>  
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<222> (390)  
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<220>  
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<222> (403)  
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<220>  
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<220>  
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3166

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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (473)  
<223> n equals a,t,g, or c

<400> 3608  
aattcgggcan agctccaagc atccttgact ccaaaaaggt gactcccagt gccactgatt 60  
ccctgagtaa ggctcagttt ctgagaatca atggnttccc ccaacccccca gcccagcctc 120  
agcccaatat ctctgacctc tggcctgatt cctagaggtg accagaattt aatgtcaggg 180  
cctaaatagt cattgagtag attgcattcc tattggtgcc ctcgaagacc tcaattgtgc 240  
acctgtggga cccctgccgg ggcagatagg acacgagcta aatgggtgct gggcaagtnc 300

## 3167

ctgtggacct gacaagggga cctgagcagt atgggaaggg gntttnggaa agnnagtncc 360  
cacntntn gn aattnaagng gtggntntnn ntttttagng gtngccaaat ttggtntnag 420  
ttntntnnng aaggncataa ggttttttna aatttaaaag ggtttcnngg tgnaaaa 477

<210> 3609  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (181)  
<223> n equals a,t,g, or c

<220>  
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<222> (216)  
<223> n equals a,t,g, or c

<400> 3609  
aattcggcag aggnatgcag agccctcccc acctgtgtgt gcaggatcag aagcaagtcc 60  
ccagcatggc cacagagctg gcccatctcc agggggatgg ccaagcctag gtgtgctgga 120  
cactctcatc tcactcttgt cactgttgca ggctcctgtt cagaccctcc atgggtctgag 180  
ncccttgaa ttgattgggg acagatgatg ccagntttca ttgagcagaa gtactgggtt 240  
tgaattgtta acataaagac catccctatt tagaaaaaa aaaa 284

<210> 3610  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
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<222> (71)  
<223> n equals a,t,g, or c

3169

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

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<222> (40)

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<222> (59)

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<222> (77)

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<222> (86)

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<220>

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<222> (90)

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3170

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<222> (95)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<222> (157)  
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<220>  
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<222> (163)  
<223> n equals a,t,g, or c

<220>  
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<222> (170)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c



## 3171

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (210)  
<223> n equals a,t,g, or c

<220>  
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<222> (215)  
<223> n equals a,t,g, or c

<220>  
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<222> (245)  
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<220>  
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<222> (249)  
<223> n equals a,t,g, or c

<220>  
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<222> (280)  
<223> n equals a,t,g, or c

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gaactctngn tttcttttta atccccgca tnggatnacc ggngtgcccn ancatgt nag 180  
acgnanccnt agacaccagc taccgaaatn accancaagg acttaaaagg agaagaagga 240  
agttntggna agaggcagaa aatgggaaga gacgcccttn 280

3172

&lt;210&gt; 3612

&lt;211&gt; 500

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (138)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (317)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;220&gt;

&lt;221&gt; misc feature

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3173

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ctctcgtgtc aggggtgtntt ggggtggacgc ttctcactcg tgcagacctg gctgcccgtg 180  
gncccgcgtg ctgcacaggg gaggttgacac aggtcagcag agtggctgca gggccgggnt 240  
ctgaaccgca ggcccatggg agacggggag gagatggctc cttccacaac cancttaaca 300  
gatggaggcg ctgaggncctc gggttcccct gggggccttg ggnagaccac aagggttttag 360  
ttcaaaattc cagttnccca agtttttaag gaggttcccc ttgggcggnc aaatnggncc 420  
caagtgggtt ttagattcct aagggttgt nttgtcattt tggccattaa gnaaggggcc 480  
aaagngctta agnaacttnc 500

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3174

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3175

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3176

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gctttccggg gcaggcccag aaagtgccag tnaatgggtg ggagagaagg cattgtntcc 180
tctctcggag ttggtggagg ggaaaattgt ttgtgaacga tgctgcctcc cgagccatct 240
gctcaccgag aaaccagga tgggtggagt gaatgaagcc gtgcnnccca tgccagttcc 300
ccgggggcag ccctcangtt gctgntggac ccgggggttn tntttgcang tgccttggtt 360
gtgggtnana aggatttgca tcaggagtat ccgtgccctg gaggatttct ncttttggn 420
aaaaaaaaa aaaaaatttg gggggggccn taccattggn cttagggggg tttnaaat 478

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&lt;210&gt; 3614

&lt;211&gt; 88

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;222&gt; (56)

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&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3614

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ggggggggccc cgttcccat ttgncctt 88

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&lt;210&gt; 3615

&lt;211&gt; 479

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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3177

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3178

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3179

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3180

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## 3181

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caatactggt cagctccttc gggacaaggg aagggtacag tggcgtgggc ctgactttcc 180
cgccagtgcc ccactgnaaa gtttcttacg ggcataggcg atgnaggngn catgnatcca 240
gggaaggccg gggtnattg tggctgnaat ttgaactncg tttgtgcctg gtnaacaatn 300
atngtgacct naatgncagg tccgaggttn tgggtaacgn actggnagtg accggnnann 360
gnttggggnt gnaaagncc tttncgncaa ntttctctnn aaaggggcnc ttgggttttc 420
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3182

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3183

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gttgaattga agngtaagtt ctcgttggaa gtgacngagg gtgcaaaaag tgtattnatt 180  
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3186

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3187

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cacattgccc ggtggtctgg ggtatggggg acaaggactg ggtggtnggg actgtccttg 240
ggtctnccac ccttnaaagc tgggtcccag annagnngnaa agtgtncctt tccgnggnaa 300
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ttgggnagca ttaggttatt gggnttgggg g                                     391
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<211> 489

<212> DNA

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3188

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ctctccctna ttctccatt gtcttgactt ctagcaaatt tnctcatgag tgtacatacc 180  
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3194

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&lt;212&gt; DNA

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<220>  
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<400> 3624

## 3209

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cttgggtaaa taaccengag gaaatntgat gagagtaggc ctgtnagata attttaggan 180
gatctnatgg cacagcgtgg aagaaaatca ggtttccta cagaatcggc cccaaaagaa 240
aacttatttt ggttaaattt ctggnttttag gtagnctga tatcaaccct catttgggct 300
gttttatcaa gctttggctn cagcagntng gactngagtt cgtcacagtt nccgtaccat 360
ttgggaattt ttggtcncta ttccantcag tngacaattc gaantggntt tcttaggggn 420
catatnnccc nggtgccatn cactgggtgt ttaggctggg ctnntttgtc canggcccaa 480
ngtaantccc caaggttgga aaaaaaaaaa 509
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<210> 3625

<211> 488

<212> DNA

<213> Homo sapiens

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<222> (349)

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<222> (361)

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<221> misc feature

<222> (380)

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## 3210

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<220>  
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3211

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3625

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cctaacagtG gtagcttgat ttctccagat ccaGgagaa aagatacaac atctgaatac 120
atataacatg atttattcat cttaaaaata ttttgGtaag agtatctcta acttcattaa 180
taaaataaaaa ttagaatgtt tttaatcttn ttcaaccaac ctaattttgt agtattccta 240
cttaactgag ggtatcgagc taacttcaga ggacacaagt gaggcaaaac tnctaactta 300
gnaacatctt ttcagtcact ccatggatgt gcagctgctt agcagttgng gccaaattaa 360
nggggcaaaa ttgttagcan agtatgtaaa attatnccat tnncanattt cttnaaatgn 420
ctcacctan tttgttanat aaaactgcnt ttntgnaatn ggttcacacg ttttttcac 480
ttngttag                                     488
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&lt;210&gt; 3626

&lt;211&gt; 499

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



## 3212

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## 3213

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<222> (329)

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<220>

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<222> (337)

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<222> (371)

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<222> (375)

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<222> (380)

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3214

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<222> (481)  
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<220>  
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<222> (483)  
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3215

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ctccaaacaa gagcttgaga ggcttgggng gtaaaaagat gtcgtttgtg aacattggga 180  
ttaagaggc actcaagttt agctcctgct tccaagtaag agttgtaaac ttggatttca 240  
ntagcactta gaaacacttt ccagnagcca ncttagagtt ncagagtatg cgttgaggac 300  
actttaccct tctgggttac aggaaaagnt caggaanttg cctggacatg aaggcagtnn 360  
gttggtccaga nccnnttttn aaatncngca agtaaaaant caggtggttag cctcgaactc 420  
tctgttgctc tnccaggtag cagttgccaa ttcattctca nagntntttt tggncctng 480  
ntnttcttag ccttnggnt 499

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<212> DNA  
<213> Homo sapiens

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## 3216

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<220>  
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<220>

3217

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<222> (479)  
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<220>  
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3218

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (537)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (546)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3627

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ggcctttgtt accaaactga tcaactgtggc cctgaggggtg ctgttactta gaatattccc 120
acctttnnct gagaggetga tgttgggggtc acttccccct gaactaaagt ccaggggctg 180
catgggtgag ggttgagtaa ctcaagtactc taaggaggaa aggaagggga atatactg 240
ttagttaaca gtggttattc ctgtattctc tcttgtttgg attctactgg gggatttctt 300
tctttttttg agtctttatt gacattaggn atgagagata gaaacagggg gagagaggaa 360
gtanaattta aatgtgnatt ctttccacnt nttaccngaa ctcaaccgta tttttgggat 420
cnatanatcc ctacttttcc cctggattta ttncacaaaa tcttnggggg naccacaggn 480
aatttggnac cctaaantcn ggttaaatta aggccnnggn aaggnggttc cgggggncaa 540
attccngggg gctttattttt ggg                                     563

```

&lt;210&gt; 3628

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 3219

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<220>  
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<220>  
<221> misc feature



## 3220

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<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 3628

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tntgnatgtg aatgctgctg caggctgcc aaggcacatgc atgctgctgg nacagtctgt 120
gcgnangggg cgacttaggt gcagggtgcc tgaatgcagg ttcctatgcg tcactaggta 180
agagaactga ttatggaaaa ttgtaccatg ttctctccct gatctctgtg aagacaagtt 240
catatacctt aatcatttct attcatnctn gtaatttnag gttgggtccc nntgggttaa 300
aaaaaattct tttnttgggg gnacaaaatt tttgggggna ttttg 345
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<210> 3629

<211> 508

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

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<220>

<221> misc feature

<222> (34)

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<220>

<221> misc feature

<222> (80)

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## 3221

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<222> (100)  
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<222> (245)  
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<220>  
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<220>

## 3222

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<220>  
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<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<220>  
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<220>  
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<220>  
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<220>  
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## 3223

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<220>  
<221> misc feature  
<222> (417)  
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<220>  
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<220>  
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<222> (492)  
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<220>  
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<222> (496)

3224

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 3629

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gtgcagagtt gcatctccct ctggcntcct cacatgcttc tgctcagggc ccctgcccag 180
ccctcaattt agagtttctg gtctaattcc tgaccagtga tgtaattatt tatcttcctg 240
ccctnatcct gggggtgcaa acagcaaact tggnattnnt gtttcaggct ttggnaaggt 300
tgggtncagg tttccatctn cngtttagaa gaactgggng gntgcctgct gtggngttng 360
nggnttgngg ttcaagggtt cctgcttctg tgaantgncc aattntttgn ttcaggncca 420
gaacgggtgag nagttgggga tttggctnag ggagggtaag ttggngtttc cagaggtgag 480
ntgngggngg angaanttag atggnagg 508
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<210> 3630

<211> 509

<212> DNA

<213> Homo sapiens

<220>

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<222> (71)

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<222> (91)

## 3225

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<222> (127)

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<222> (206)

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3227

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3228

&lt;221&gt; misc feature

&lt;222&gt; (506)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3630

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taaacatctc ntntgtcatt anaatggagg naaggatgtt tttctttatg cacaaaaaga 120
agaaannatg gnnatgggtg taatgttaat ttctcaactt tgtgtttaaa tgtttaccat 180
ttaacaaata tcattaagga aacagnttta aaattggaat ttcctaaaca ttatagtgga 240
tgttnttgaa taatttgcaa acaacagggtc aataggaaat aaaaatggaa tttttnaagt 300
taatgtatta ttttttactt aaatccntta tcnttttgca gttgtcccga ctttattaga 360
caggggnttg tnaataaacc tggggaccnc aggctagggt tttttnggac cggccatntg 420
ntcngttttt ggttngtttg nggttanggt tagnntnngn naatngttta ngancgtttt 480
angtaggntt ttccccaccc caggtnggt                                     509
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&lt;210&gt; 3631

&lt;211&gt; 60

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3631

## 3229

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<212> DNA

<213> Homo sapiens

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## 3230

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## 3232

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tattaatgat tacttatgaa aaacaacaac aaaaaagcca tcttgaagct gcttttaatg 180
agagaacaaa tgtgctccca agcaacagag cagcgaaaat ttttttatta ctgggnnttct 240
aacttttccc tgntaactnt aactgtcttc angttncacc nnatgtgact tnggggggga 300
tnttttcaac cnnnggnttt taanccccnn tttntggngg ggcttttnaa actnantnta 360
aaattttggg ggggaanttt taacaggggg g                                     391
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<212> DNA

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<400> 3633

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tgtttttttaa tagaaattgt ggcacaagtn tgatatatct tataaatggg aacttattaa 120
gagagtgtct tggtgatacc tgggctgtct caagcctgtg tgttcttcaa agattttgtc 180
tttgtaactt gtttatccat ttggtgataa ggtagctaat ggcaattttg tagaattctg 240
tttctctttt cctgtctctt tctttgtttc ctattttcca cagttccgta ggnctcangt 300
atgttctttt ttncatctt caaagtcttt gnacnctcac acatggcata atggggncan 360
atanccatt taaggggccc naaagggtt 389
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<212> DNA

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3234

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